THE CHEMIST AND DRUGGIST

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THE CHEMIST & DRUGGIST SUPPLEMENT.

LONDON: 42 CANNON STREET, E.C.
SATURDAY, MAY 6, 1899.

Businesses for Disposal
Businesses Wanted
Premises to Let
Auction Sales

ALSO EXCHANGE COLUMN.
For Bargains see last page of this Supplement.

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

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5.—**MANCHESTER.**—Light Retail and Prescribing Business; returns £620; net profit £200; low rent; price £450, or offer.

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7.—**EASTBOURNE.**—Retail and Prescribing Business; returns £7 weekly; low rent; well fitted and stocked; price £200.

8.—**CAMBRIDGE.**—Retail and Prescribing Business; quite unopposed; net profit over £200 yearly; rent low; good house; price £300.

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NOTTINGHAM.—Excellent Shop and premises to Let or Sell able for Chemist, with P. O. and Telegraph attached; t populated neighbourhood. Alfred Manchester, Trade Valuer, Nottin

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GLOU ESTERSHIRE. — Fashionable town and health-resort; a n corner position; populous neighbourhood; position commands business ahogany-fitted, Light Retail, Dispensing, and Prescribing; owner ret ing proprietaries; same hands 22 years, last 2 years as branch undsr ms ger; price £350, on lease. "Belvidere" (113/39), Office of this Pape

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HOM COUNTY.—Unopposed Business; population 4,000; under ex dingly had management doing £7 weekly, formerly also under managem doing £13 weekly; rent £20; principal ought to do large profitable ade; price £225, £100 could remain if required; must be sold. 130/27, Of of this Paper.

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MANC ESTER (near).—For immediate Disposal, a genuine Cash Re and Prescribing Business, in main thoroughfare; last year's receipts £); practically no opposition; nearest qualified Chemist, two miles; spl id opening for Dentistry; price £350, value of stock and fixtures; r sons for selling and fullest particulars to genuine applicants. Apply, 124 Office of this Paper.

MIDL NDS.—Good-class Retail, Dispensing, and Prescribing Business with good sale of own proprietaries; returns nearly £1,900 per annum yielding 25 per cent. net profit; fine corner shop in good position; l fitted and heavily stocked; owing to ill-health £950 would hs accepte Apply, "Midlands" (130/38), Office of this Paper.

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YORKS IRE.—For Disposal, an old-established genuine Drug Business, a country town; best position; present hands over 16 years; returns ov £1,000; price £700; this genuine Business is for sale under satisfactor circumstances. Address, "Bromo" (128/20), Office of this Paper.

CASH tail Business, best position in chief street, thickly populated distr near Epping Forest; good shop, house, and cellar; plenty of scope for provement; returns £700; price £300; lease at £70; no agents. Ad ess, "June," c/o Mrs. Jones, 41 Cromwell Road, Walthamstow.

CHEMIST AND DRUG STORE Business; established about 40 years; crowded neighbourhood; convenient house, valuable lease, low rent; profitable; all ready-money; admitting of large extension by resident proprietor; every investigation courted; well worth seeing; price £500. Apply, Vause, 285 Mile End Road, London.

FIRST-CLASS Retail and Dispensing Business; best position in most healthy London Suburb; returns £1,600 to £1,700; net profit about £600; owner retiring; price £1,400; applicants must be able to pay down £1,000 on entering; arrangement made for balance if desired. "Camphor" (129/32), Office of this Paper.

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RETURNS £650: net profits £400; price £250; the owner, who is giving up, will sell his valuable Drug Business, as above, to first cash buyer; a certain fortune: well worth double; Light Retail and Prescribing; handsome shop, low rent, on main road, outside Manchester; established nearly 20 years; unopposed; no agents. For details, send stamp to "Pharma" (116/32), Office of this Paper.

TO Chemists and Druggists.—For Disposal, the Goodwill, Stock, and Fixtures of an excellently fitted-up Shop in commanding position in Egremont, Cheshire; good house attached; electric light through house and shop; the freehold can be purchased or leased. For further particulars apply to George Mahon, Trustee, Chartered Accountant, 26 North John Street, Liverpool.

TO CHEMISTS about to start.—A genuine unopposed Retail, Dispensing and Prescribing Business; well-fitted and attractive shop, situate in splendid position in rapidly increasing S.W. suburb; grand opening for Dentistry; large convenient house; no reasonable offer refused to immediate purchaser; this is a genuine bargain; about £200 required. "Vinolia" (129/30), Office of this Paper.

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TOOTH-EXTRACTING and Prescribing Business for sale in a well populated neighbourhood; no opposition; rent £26; price £100; Oils and Colours may be added; satisfactory reasons for disposal. Apply, James, Chemist, Bradley, Bilston.

£85.—LONDON.—Cash price, for old-established Retail, Prescribing Business; modern coloured lamp outside; complete working stock; capable of increasing trade in the hands of business man; a bonâ-fide start for beginner with small investment; comfortable house; moderate rent; easily lets off. 2/21, Office of this Paper.

£350 OR OFFER.—Cash Prescribing Business, situated in one of the best and busiest localities in the South-East of London; profits nearly £5 per week; very few patents; no cutting stores near; up-to-date saleable stock; expenses, including rent, rates and taxes, only amount to 18s. 6d. week; very handsome shop; thorough investigation courted; unusual chance for modern trade; good reasons for selling. Apply, at once, to "London" (127/21), Office of this Paper.

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MESSRS. BERDOE & CO. have a number of clients wanting to Purchase Businesses through their Agency, returning £1,000 to £3,000, and are prepared to pay cash; strict confidence may be relied upon; Businesses inspected and advice given as to value when required: Valuation Offices, 35 Jewry Street, Fenchurch Street. Established 1870.

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WANTED, to hear of a good opening for a well-qualified Medical man, in unopposed country or seaside watering-place; £20 for such a hint, if acted upon. 126/11, Office of this Paper.

SITUATIONS OPEN.

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RETAIL.

ANGLESEA.—Wanted, a Junior Assistant (Welsh), indoors, for a good-class Country business; short hours, and a comfortable home; must be steady. Apply, stating age, salary expected, &c., to Lewis, Chemist, Llangefni, Anglesea.

ASCOT.—Junior or Improver wanted, immediately, for good-class Dispensing and Retail; outdoors; short hours. Apply, with usual particulars and photo, to Sandwith & Clayton, Ascot, Berks.

BARNSTAPLE.—Junior or Improver wanted for Mixed trade; 2 kept. Apply, with full particulars, to Tremeer, Chemist, Barnstaple.

BIRKENHEAD.—Good Junior wanted for Dispensing business; indoors; experience in best-class work essential. Apply, A. H. Ellithorne, 26 Wellington Road, Oxton, Birkenhead.

SITUATIONS OPEN—*cont.*

RETAIL—continued.

BRIDLINGTON QUAY.—Wanted, for the season, a thoroughly reliable Junior Assistant, with knowledge of Photography; good Dispensing experience and used to brisk cash Retail (outdoors). Send photo, with full particulars, to J. V. Mainprize, Central Pharmacy, Bridlington Quay.

BRIGHTON.—Qualified Assistant; indoors; accustomed to good-class Retail and Dispensing business; two kept. Apply, stating age, height, when disengaged, salary, and references, also enclose photo if convenient (to be returned), Kilby Pears & Son, Pharmaceutical Chemists, Brighton.

CAMBRIDGE.—Wanted, in June, a Junior (indoors) accustomed to a good Retail business. Apply, stating age, height, experience, and full particulars, to Beall & Son, 15 Chesterton Road, Cambridge.

CAPE COLONY.—Wanted, Two Qualified Assistants; age not over 28; 3 years' agreement; salary, first year, £13 per month; second, £14; third, £15; passage paid. Apply, R. L., S. Maw, Son & Thompson, 7 to 12 Aldersgate Street, E.C.

CAPE COLONY.—Qualified Junior Assistant wanted; one who has had good Dispensing experience; 3 years' engagement; second-class passage paid out; liberal salary. Send references and usual particulars, Doble, Chemist, Tavistock.

CARDIFF.—Wanted, by the 21st of May, a smart and intelligent Junior, of gentlemanly appearance and conduct; outdoors. Full particulars, enclosing photo, Anthony & Co., Chemist, Cardiff.

CHATHAM.—Junior Assistant (outdoors), at once. Apply, stating age, height, salary required, and enclose photo (to be returned), to T. C. Lamb, Chemist, Chatham.

CHATHAM.—Wanted, qualified Assistant as Manager; also a smart Junior, accustomed to Store trade; must have both personal and business references from last two appointments. Apply, stating fullest particulars of experience, salary required (outdoors), &c., to Cook, Chemist, 68 High Street, Chatham.

CHELMSFORD.—Wanted, two good Juniors (in or out doors), to take place those leaving to study: one qualified, both well up in Dispensing, Photography, and general Country trade in agricultural district; hours easy. Reply, with full particulars, enclosing portrait, stating salary required, to James Tomlinson, Chemist, Chelmsford, Essex.

CHESTERFIELD.—Wanted, Junior Assistant; outdoors; about 20. Apply, with usual particulars, and photo (to be returned), to T. Furness, 30 Knifesmith Gate, Chesterfield.

COVENTRY.—About middle of May, a Junior or Improver for a Light Retail and Dispensing business. Please apply stating how long in business, what examinations passed, how much experience in dispensing, age, references, and full particulars, G. W. Jelley, Coventry.

DEAL.—Assistant, about 23; Light Retail, Dispensing, and Photography. Apply, with usual particulars and photo (to be returned), G. Stewart Dunn, 98 and 100 High Street, Deal.

DONCASTER.—Wanted, immediately, for a good General Family business, a qualified Indoor Assistant; Junior and Apprentice also kept. Apply, with full particulars of age, height, salary, and previous experience, to M. H. Stiles, Pharmaceutical Chemist, Doncaster.

DOVER.—Junior Assistant required by May 29, one just out of his apprenticeship preferred. State age, reference, experience, and salary required (indoors), Lewis Thompson, Chemist, Dover.

ESHER.—A Junior Assistant wanted for good-class Dispensing business; two hours daily allowed for reading. Apply, Chapman, Chemist, Esher, Surrey.

EXMOUTH.—Wanted, qualified Assistant, about 23; good Dispenser and Counterman, with knowledge of Photography if possible; member of Christian church preferred. Apply, stating experience, age, and salary required (indoors), and enclosing photo (to be returned), to John R. C. Stephens, Chemist, Exmouth.

GLOUCESTER.—Wanted, gentlemanly Junior Assistant or Improver; one just out of apprenticeship will do; duties light. Sadler & Sling, Gloucester.

GLOUCESTER.—Wanted, for a permanency, a Senior married Assistant, to live in the business-house; a neat and accurate Dispenser, qualified, and without, or only young, children; state full particulars, age, height, salary required, with photo; references must be satisfactory. Apply to J. Ward, Chemist, Gloucester.

GRANTHAM.—Wanted, at once, a Junior Assistant or Improver; easy hours, time for study; outdoors. Apply, Fisher & Co., Market Place, Grantham.

GUERNSEY.—Wanted, qualified Assistant, competent, active, and with several years' good references. State age, references, and salary expected (outdoors), to Jesse Boot, Nottingham.

GUILDFORD.—Wanted immediately, a Junior (indoors, aged about 20) for a high-class Dispensing business. Apply, stating height, references, and salary required, and enclosing photo, to Henry Jeffries, Chemist, Guildford.

HARROGATE.—Wanted, at once, smart Junior (outdoors) for Light Retail and Dispensing, engagement to terminate end of October; splendid opportunity for young gentleman to acquire first-class Dispensing experience. Send photo, age, height, and salary required, Kirk, Chemist, Harrogate.

HARWICH.—Immediately (indoors), a good Junior for Light Retail; aged about 21. State references, salary, and send photo, Woodward, Chemist, Harwich.

HAYWARD'S HEATH.—Junior, about 23, immediately, w good-class Dispensing experience; Indoors. Photo and parti R. C. Hayes, Chemist, Hayward's Heath.

HERNE BAY.—At once, gentlemanly Assistant, age from 20 to years; permanency or season; indoors; comfortable home. P state particulars as to height, salary required, reference, to Chemist, Herne Bay.

HULL.—Wanted, a qualified Assistant, indoors, with Store ex rience preferred; a comfortable home and every considera for personal comfort is offered to a suitable man. State age, salary quired, and usual particulars, to Price & Burnett, 11 Witham, Hull.

INDIA.—Required, an Assistant (Minor), about 24, single, with fi class London (West-end) experience; of gentlemanly appearan 4 years agreement; liberal salary; passage out, and furnished apart Apply by letter, S. M. O., c/o Messrs. Meggeson & Co., 14 Miles Lane, L

INDIA (North-West Province).—A good experienced Assist (qualified) required; one with Laboratory experience preferred; m be well up in all branches of a Chemist's business; aged about 25; married; 3 years' agreement; candidates must hold undeniable refere For particulars as to terms, &c., apply to "India," Messrs. Evans, Le & Webb, 60 Bartholomew Close, London, E.C.

JARROW.—Qualified Assistant wanted—one desiring a permanen good Prescriber, Extractor, and Counterman; must be energetic trustworthy; half-holiday; salary and commission; give particulars a age, references, &c. Apply, W. Hornby, Chemist, Jarrow-on-Tyne.

LEYTON (near London).—Assistant (Indoors), Light Retail; m be good Salesman and competent; some experience of good-c Store trade; Photography and Extracting preferred; close Thursday 5; Sunday duty 2 hours fortnightly. State age, height, salary, experi references, if qualified, enclose photo (returned), Matthews & Chemists, Leyton.

LIVERPOOL (suburb).—Wanted, for a healthy suburb of Liver a good Junior or experienced Assistant (qualification not necess from the country preferred. Apply, giving full particulars as to sa out and indoors, age, references, &c., to "Izal," c/o Messrs. Evans & Hanover Street, Liverpool.

LIVERPOOL.—Assistant, for Light Retail and Dispensing busi Apply, stating age, height, salary required, &c., and enclosing p if convenient, to Thos. H. Hudson, 111 Prescot Road, Fairfield, Liverp

LLANDUDNO.—Wanted, qualified Assistant, about beginnin June, outdoor, with knowledge of Photography. Apply, witt particulars, giving age, height, salary required, enclosing phot J. Winter, 3 Mostyn Street, Llandudno.

LONDON, W.—Wanted, on June 1st, a qualified Assistant, abo years of age, and accustomed to a good-class Dispensing bus Apply, Lyon, Chemist, Holland Park Avenue, W.

LONDON, S.W.—Wanted, an Assistant, gentlemanly and obli used to good-class Store business. Apply, personally if po W. Bowden, 62 Hill Road, Wimbledon, S.W.

LONDON, S.W.—Wanted, at once, a qualified Assistant, as S must write a good hand. Apply, with usual particulars, to Phillips, 156 Cromwell Road, South Kensington, S.W.

LONDON, N.—Wanted, immediately, two Juniors, and al Assistant, capable of taking charge when required; a knowl of Photography in each case very desirable; no Sunday duty; clo Thursdays part of the day. Address, with references and salary re to J. Edmunds, Pure Drug Stores, 33 High Street, Kingsland, N.

LONDON, W.—Wanted, smart Assistant, front counter; qu preferred (outdoors). S. F. Goss (Lim.), 460 Oxford Street.

LONDON, W.—June 1, Senior Assistant for Dispensing counte with previous London experience preferred; also a good q Junior Dispenser; indoors. Apply, Roberts & Co., 76 New Bond London.

LONDON, S.W.—Wanted, a Junior or Improver for Light Ret Dispensing business in S.W. suburb; hours 8 to 10; half-h weekly; Sunday duty light, board in, bedroom found out; pa could be arranged with suitable applicant if desired. Apply, wit particulars, to X., c/o Davy, Hill & Co., 64 Park Street, Southwark.

LONDON, W.—Junior Assistant for front Counter; good a Apply, S. F. Goss (Limited), 201 Regent Street, W.

LONDON.—Wanted (indoors), an Assistant, with good appe not under 23, height between 5 ft. 7 in. and 5 ft. 9 in., for D ing, Prescribing, and Light Retail; good chance for improving; c able home. Please state full particulars, salary, &c., "Statim," 60 Conduit Street, W.C.

LONDON.—A smart qualified Assistant required at once; marr ferred; aged not over 45; good prospects for right man. Ple last three situations and references to bear investigation, "C (128 23). Office of this Paper.

LONDON, S.E.—Qualified Assistant required, about 23; Apply, stating age, height, salary required, and enclose p Frost & Harrison, 3 Eltham Road, S.E.

LONDON, W.—Evening Assistant, no Sunday duty, for qu business; one with Store experience preferred. State age, and salary required. 228 High Road, Chiswick, W.

LONDON, S.W.—Wanted, shortly, a competent, trustworthy A aged about 24, for a good-class Dispensing and Retail busi door. Apply, personally or by letter, with usual particulars, L King's Road, Chelsea, S.W.

LONDON, N.W.—Competent Assistant, indoors, for good-cl pensing and Retail; not necessarily qualified; personal ap preferred, if possible. Bevan, 6 Dennington Parade, West Hampste

LONDON, W.—Part-time; suit student; either one or two days' or three or four evenings a week; must be a reliable Dispenser, and good references. Apply, stating salary and time disengaged, Goss, 13 Notting Hill Gate.

MALTA.—Assistant, experienced, qualified, wanted; 3 years' agreement; salary £120, £130, £140; second-class passage paid out, home. Apply, R. E. T., 16 Coleman Street, E.C.

MANCHESTER. — A qualified, competent, and trustworthy Assistant, not under 24, for good-class suburban Dispensing business; capable of being left in charge occasionally. Address, stating salary, age, height, experience and where gained, with photo, to "Pharmacist," 60 Fountain Street, Manchester.

MANCHESTER.—Wanted, about second week in May, good Junior; indoors; one accustomed to middle-class quick Cash trade; knowledge of Photography preferred. State salary, age, height, photo if possible, to Chemist, 714 Rochdale Road, Manchester.

MANSFIELD—An active Junior, about 21 (outdoor), for General Country business. B. Adams, Mansfield.

MARGATE.—Assistant at once; must be quick and accurate Dispenser. Send full particulars, with carte (to be returned), to V. Wells, Chemist, Margate.

MARGATE.—Wanted, shortly, a competent Assistant for the summer months; must be accustomed to Dispensing. Apply, giving full particulars of experience, age, height, salary expected, and enclose carte, to D. Evans, Chemist, Margate.

MEDITERRANEAN.—A qualified Junior, for first-class Dispensing business; must be a quick and able Dispenser; six months' agreement. Apply, "Mediterranean," Messrs. Evans, Lescher & Webb, 60 Bartholomew Close, London, E.C.

NEWPORT, MON.—Wanted, Assistant accustomed to Dispensing. State reference, salary required (indoors), and enclose photo, J. Phillips, Pharmaceutical Chemist, Newport, Mon.

NEWPORT (Salop).—Wanted, immediately, Junior (one just completed his Apprenticeship not objected to; also Apprentice or turn-over); hours 8 to 8, Saturdays 9·30; weekly half-holiday, no Sunday duty; indoors. State age, salary, experience, with carte, to G. L. Douthwaite, Newport, Shropshire.

NEWQUAY.—Junior Assistant; outdoors; must be active, obliging, and well recommended; with some knowledge of Photography preferred, but not essential. Apply, with full particulars as to salary, age, height, &c., and enclose photo, to A. Bond, The Pharmacy, Newquay, Cornwall.

NEATH—Outdoor qualified Manager for Branch Cash Pharmacy in Swansea; hours easy, no Sunday duty; early evening off weekly. State salary and full particulars to J. Griffith Isaac, Chemist, Neath.

N.W.—At once, indoors preferred, for quick Cash business, a smart Junior, about 21; must be good salesman; knowledge of Photographic trade an advantage; salary and commission. Apply, giving full particulars to save time, to "Manager," 265 Finchley Road, South Hampstead.

PORTSMOUTH.—Wanted, at once, an Assistant; qualified; outdoors; small business; comfortable berth. State age, salary required, and usual particulars, to J. Walters, St. Mary's Road, Portsmouth.

RAMSGATE.—Wanted, good Junior; indoors; good-class Retail and Dispensing, with Photography. Send usual particulars with carte (to be returned), to E. Baily, Pharmaceutical Chemist, Ramsgate.

REYL.—An Assistant (Minor) wanted for the season; Seaside Retail and Dispensing business. Please state age, height, reference, salary required (indoors), and when disengaged, to T. M. Davies, Chemist, Rhyl.

RICHMOND.—At once, a smart, intelligent Junior; accustomed to quick Cash business; personal application preferred. Apply, Hoard & Co. (Limited), 35 Hill Street, Richmond, Surrey.

RUABON.—Rowland & Co., Chemists, Wrexham, require Manager for their Ruabon Branch; good-class business; pleasant district; hours light; half-holiday weekly; applicants must be qualified, energetic, and furnish unexceptional references; only those needing a comfortable appointment need apply; good house attached; suit married man; commission; personal interview if possible. Apply, High Street, Wrexham.

RUSHDEN.—Wanted, at once, an Assistant for a good-class Retail, with Photographic experience preferred. Give all particulars, references, salary, &c. (indoors), and photo, if possible, C. Smith, 29 High Street, Rushden, R.S.O.

RUSHDEN.—Wanted, Junior Assistant; indoors; hours 8 till 8, Thursdays 8 till 2; no Sunday duties; knowledge of Photography preferred, but not necessary. Apply, stating age, height, references, salary required, enclosing photo, if convenient (to be returned), to W. Wilkerson, Chemist, Rushden, R.S.O.

SEASIDE.—Wanted, a good active Assistant (qualification not necessary). Apply, with full particulars (indoors), to Barnett, Chemist, Chorpes.

SEASIDE.—Wanted, an Assistant, qualified preferred; aged from 22 to 24 must be used to good-class business and knowledge of Photography; enclose photo, and give full particulars; moderate hours; outdoors. Williams, Chemist, Falmouth.

SOUTH AFRICA.—Wanted immediately, a qualified Assistant; Tooth Extractor preferred: must be energetic and willing, and able to give satisfactory testimonials and references; 3 years' engagement; second-class passage paid out; salary, first year £16 per month, second year £17, third year £18 per month; bedroom provided; please supply all particulars when making application. Address, "South Africa," c/o Messrs. Evans, Lescher & Webb, 60 Bartholomew Close, London, E.C.

SPALDING.—Donington & Co., Chemists, require an Assistant, accustomed to a provincial business; indoors: qualified or unqualified, of extensive experience; comfortable home; hours easy. State age, height, salary required, references, and enclose photo which (will be returned).

STOURBRIDGE.—Wanted, a Junior Assistant (outdoors), for good-class Dispensing and Retail; also an Improver; easy hours; no Sunday duty. Send photo, with particulars, Simpkins, Chemist, 75 High Street, Stourbridge.

S.W.—Qualified Manager wanted, at once, for Pharmacy Store; indoors preferred; smart, up-to-date man, with knowledge of Photographic trade liberally treated. Full particulars of age, height, experience, and salary, &c., to H. D. (2/34), Office of this Paper.

TORQUAY.—A competent Assistant, qualified preferred, with good experience, for Front Counter; also a Dispenser; must be of gentlemanly appearance, and with unexceptionable references. Applicants are requested to give full particulars as to age, height, experience, and salary required, in first letter, and to enclose photo. Holloway, Fleet Street, Torquay.

TRURO.—Smart Junior wanted; qualified preferred; indoors; easy hours; half-day holiday per week; no Sunday duty. Apply, stating age, salary required, and references, with photo (to be returned), to B. Carter, Pharmacist, 10 & 11 Lemon Street, Truro.

WINSLOW.—Junior or Improver wanted at once; good-class Dispensing and Mixed Country trade; work light and clean; hours short, no Sunday duty; outdoors. Full particulars and photo to R. A. Easton, Market Square, Winslow, Bucks.

WOLVERHAMPTON.—Assistant, not qualified, required, for a Drug-store Laboratory; must have had similar experience, and understand making Pharmaceutical preparations, proprietaries, &c., in quantity. State salary required, and experience, to Martyn's Stores (Limited), Wolverhampton.

WOODHALL SPA.—Junior for season (6 months); must be of good address and accustomed to Dispensing business; indoors. Apply, Carlton & Sons, Chemists, Horncastle.

WORCESTER.—Outdoor Assistant, for the Dispensing-counter. Apply, with photo, stating age, height, and experience, to E. J. Kitson, The City Drug Stores, Worcester.

AN Assistant (qualified) for a good-class West-end business; must be of good appearance and address, and write a good hand; Store experience of no value. Address, "Pharmacy" (129/5), Office of this Paper.

ASSISTANT; aged about 25; outdoors; accustomed to brisk Retail, and putting up Stock; character must bear strictest investigation. Apply, personally preferred, Vause's Drug Stores, 285 Mile End Road, London.

A SMART, qualified Branch Manager wanted (married man desiring permanency preferred; house, gas, and rates free); good Counterman, Tooth-extractor, and Prescriber. Apply, with usual particulars, stating age, when disengaged, and salary expected, enclosing photo (which will be returned), to Oxen, M.P.S., Newcastle, Staffordshire.

A QUALIFIED Assistant is required for an old-established Pharmacy in Cambridge; he must be a quick Dispenser, and accustomed to a first-class trade. State age and experience, and enclose photo, if convenient, to A. Deck, 9 King's Parade, Cambridge.

CHEMIST.—Required, Assistant-Dispenser, for Store trade; must be duly qualified, aged under 25. Apply, by letter, stating full particulars of previous engagements, age, qualification, and salary required (outdoors, West-end), to "Chemist," Chas. Tayler & Co.'s Advertisement Offices, 154 to 157 Fleet Street, E.C.

JUNIOR Assistant wanted. Apply, with usual particulars, to M. P. S., c/o Messrs. Evans, Sons & Co., 56 Hanover Street, Liverpool.

MANAGER for good-class Suburban branch; Partnership might be arranged. State capital at disposal, and address, in first instance, "Honourable" (126/30), Office of this Paper.

MINOR Students.—A B.Sc. and Ph.C., in S.E. London, would Coach a Student for Exam., and give small salary in return for 4½ hours' daily assistance (Hospital Dispensing only); excellent Laboratory; reference to previous pupils. State, in first letter, lowest salary expected, age, when disengaged, "Tutor" (130/5), Office of this Paper.

PARKE'S DRUG STORES (LIM.) have vacancies for a Manager (qualified), smart Counterman, and Junior. Apply personally, or by letter, with photo and full particulars, at 151 High Street, Kensington, W.

PART-TIME; about 22 years; for general help in small good-class business; 4 hours off. Apply, with particulars, "Junius" (126/3), Office of this Paper.

PART-TIME Chemist in North-west suburb offers comfortable board and lodging in return for a few hours' help daily; would suit student attending classes. Vacancy also for a well-educated youth as indoor apprentice; comfortable home and moderate premium; Dispensing, Retail, and Photographic. 126/9, Office of this Paper.

WANTED, a qualified Counter Assistant for quick Cash Retail; aged about 25 or 26. State height, salary required, with references to Wand, Cash Chemist, 18 Haymarket, Leicester.

WANTED, a first-class qualified Assistant; good salary. Apply, Lewis & Burrows (Lim.), 22 Great Portland Street, W. If application is made by letter, please enclose photo.

WANTED, qualified Chemist, to manage Branch on South Coast. Apply, in first instance by letter, to H., c/o Evans, Lescher & Co., 60 Bartholomew Close, E.C.

WANTED, at once, a Registered Chemist, to manage a Light Retail branch; suit an elderly married man; small house attached in pleasant position; total abstainer preferred, and good references required. Apply, giving age, salary required, and usual particulars, to B. Waterhouse (Lim.), Family Chemists, 30 Sheffield Moor, Sheffield.

SITUATIONS OPEN—*cont.*

RETAIL—continued.

WANTED, for Johannesburg, South Africa, an Assistant, of good address, who can speak French. Apply by letter only, giving full particulars, L., c/o Warner Bros., 131 Finsbury Pavement, E.C.

WANTED, Assistant for good-class trade, indoors or outdoors; Minor qualification not essential, but knowledge of practical Dentistry necessary. State age, salary required, and enclose photo if convenient. Apply, "Chemist," Town Hall Buildings, Corbridge-on-Tyne.

WANTED, as Second Assistant; indoors; qualified, of gentlemanly appearance, good address, and accustomed to good-class Dispensing business. Apply, personally, or if by letter with carte, full particulars and salary required, to Edward C. Perks, 1 Sloane Square, London, S.W.

HOSPITAL FOR CONSUMPTION AND DISEASES OF THE CHEST, BROMPTON, S.W.

WANTED, a Junior Dispenser; must hold the Major or Minor qualification; candidates must be over 21 and under 30 years of age; applications to be sent in to the Resident Medical Officer not later than May 20. Initial salary £90 per annum, with lunch.

WHOLESALE.

JUNIOR Invoice-clerk wanted, in London Wholesale and Export Druggist's office; good opening for intelligent youth. Apply, in own handwriting, 130/11, Office of this Paper.

QUALIFIED Chemist wanted for provincial Wholesale House; salary commencing at £100. State age and experience, "Provinces" (1/64), Office of this Paper.

RELIABLE Man, accustomed to making Pharmaceutical and Perfumery Preparations. Apply, giving full particulars, to "Toilet" (2/20), Office of this Paper.

REPRESENTATIVE for the Midland and adjacent Counties to call on Chemists and Surgeons for a Provincial Firm of Wholesale and Manufacturing Pharmacists. It is essential that replies include full persona and business particulars, which will be regarded in the strictest confidence, 126/35, Office of this Paper.

SMART man wanted to Manage "go-ahead" Proprietary business; able to make up own stuff; live on or off the premises. State age, whether married, with full particulars (in confidence), to Business Manager, Martyn's Remedy Co., 34 Dalston Lane, London, N.E.

TRAVELLER.—Barnett & Co., Perfumers, Bristol Street, Birmingham, have a vacancy for North of England.

TRAVELLER (Country) wanted by leading Perfumery House: East and North-east counties. Apply by letter, stating age and experience, to A. R., c/o J. Grossmith & Son, 29 Newgate Street, E.C.

TRAVELLER (young) wanted for Sundries and Drugs in London suburbs. Apply by letter to G. H., 9 Campden Road, South Croydon, stating age and experience.

WANTED, for Provincial Laboratory, a qualified Chemist; must be accustomed to manufacture of up-to-date Pharmaceutical preparations. Apply, stating age, experience, and salary required, to "Salol" (247/51), Office of this Paper.

WANTED, for the Dry Counter, a good practical man as first hand; also a Warehouseman for the despatch and receipt of goods. Apply, by letter only, Manners & Hopkinson, Southwark Bridge Road.

WANTED, immediately, young Pharmacist, energetic, business-like, with knowledge of shorthand; able to deal with a large correspondence; good references indispensable. Write, giving full particulars of qualifications, salary required, age, &c., &c., to 257/22, Office of this Paper.

WANTED, steady energetic man, to manage Botanic department of Wholesale Drug House in West Riding of Yorkshire: must have had experience and be a good manager: also one to make himself generally useful in Wet room. Send fullest particulars as to experience, age, and salary required, to "Drugs" (124/34), Office of this Paper.

WHOLESALE Druggists.—Strong youth, about 17, wanted for Laboratory; some previous experience preferred. Apply, letters only, with full particulars, to H. S., 112 Sandmere Road, Clapham, S.W.

SITUATIONS WANTED

1s. for 12 words or less; 6d. for every 6 words beyond.

RETAIL.

ASSISTANT; unqualified; married; no family; aged 28. 10 Priory Place, Doncaster.

LOCUM; experienced; disengaged; references. "Chemist," 32 Laurel Grove, Penge, S.E.

LOCUM: qualified; disengaged after May 6. G., 54 Callcott Road, Brondesbury, London.

AS Manager; unqualified; experienced; married; aged 46. 125/10, Office of this Paper.

BRANCH Manager; qualified; 35; married; disengaged. 129/36, Office of this Paper.

BRANCH Manager; 2 years' reference. Jelley, 27 College Road, Kensal Rise, London.

EVENING Duty from 6 P.M.; Paddington district; qualified. Webb, 56 Ashmore Road, W.

JUNIOR; unqualified; 21; Leeds, Manchester, preferred. Livesey, 173 Cardigan Road, Leeds.

MANAGER, &c.; Chemist and Wine Merchant. "Chemicus," 88 Napier Street, Sheffield.

WANTED, Evening Dispensership; abstainer; would take Locum. 129/40, Office of this Paper.

JUNIOR; 22; part-time; London (W. preferred); good experience. A. T. R., Chelver, Folkestone.

JUNIOR; unqualified; 24; good London and provincial experience. Y. Z., 134 Theobald's Road, W.C.

AS Locum Tenens or Manager; qualified. "Reliable," 15 Wroughton Road, Clapham Common, S.W.

BRANCH Manager or Senior; married; qualified. "Chemicus," 162 Green Lanes, Stoke Newington.

EVENING work; qualified; 24; good business experience. H. P., 48 Foxley Road, Brixton, S.W.

AFTER Whitsuntide.—Dispenser or Assistant; qualified; 25. Jones, c/o Messrs. Kingsford, Piccadilly.

LOCUM: qualified; 23; disengaged until August; good experience. T. E. Wilson, Chemist, Darlington.

DISENGAGED: Assistant; 24; good Store experience; outdoors. "Alpha" (129/3) Office of this Paper.

JUNIOR or Doctor's Dispenser; 22; 5 ft. 10 in.; dark; 7 years' experience. 127/39, Office of this Paper.

ASSISTANT or Manager: 27; qualified; 5 years' reference. "Alpha," 16 Westgate Street, Ipswich.

BRANCH Management by Chemist Dentist; registered; married. "Dentalis" (128/4), Office of this Paper.

COUNTERMAN: 27; experienced; gentlemanly address. M. A. C., 28 Union Street, Sloane Square, S.W.

ASSISTANT; 28; Prescribe, Extract, Dispense; outdoors preferred. "Radix," 41 Douglas Place, Bayswater, W.

JUNIOR; 21; 4½ years'; height 5 ft. 11 in; outdoors; for 4 months; Photography. A., Leaming House, Keswick.

LOCUM: qualified; abstainer; disengaged May 11th. H. Bolen, Fleming & Son, Chemists, Wolverhampton.

IMMEDIATELY, Part-time or Locum by day or week: competent and trustworthy. G., 49 Hazleville Road, N.

ASSISTANT; outdoors; unqualified; 8 years' experience; permanency; good references. Legion, Bloxwich.

ASSISTANT or Branch Manager; 30; outdoors. "Extractor," 41 South Street, New Whittington, Chesterfield.

MANAGER: 38; married; excellent references; permanency; good experience. M. P. S. (124/24), Office of this Paper.

QUALIFIED seeks, at once, temporary or permanency; 31; married, no family. "Urgent" (128/10), Office of this Paper.

ASSISTANT; 26; excellent references; unqualified; permanency; married. "Competent" (123/39), Office of this Paper.

MANAGER; qualified; large experience; disengaged; Prescriber Extractor, &c. W., 48 King Square, Goswell Road, E.C.

ASSISTANT; 25; unqualified; London experience; outdoors preferred. Davies, 53 Balmoral Road, Willesden Green, N.W.

STOCKKEEPER; aged 21; 4 years' London experience, Counter man's Store trade. G. S. L., 118 Castle Street, Battersea Park.

LOCUM or Senior; 28; qualified; first-class all-round experience disengaged. "Chemist," 10 Bedford Terrace, Kensington, W.

ASSISTANT; outdoors; 25; unqualified; near Nottingham preferred. Moore, Seymour Road, West Bridgford, Nottingham.

MANAGER: qualified; over 16 years' first-class experience, London and provinces; disengaged. A. B., 33 Station Road, Redhill.

ASSISTANT; aged 25; 4 years last situation; London; outdoors; understands Photography. G., 82 St. Mary's Road, Peckham, S.E.

COUNTERMAN: 32; unqualified; store trade; good West End experience; permanency. R., 57B New King's Road, Fulham, S.W.

MANAGER or Locum; London; disengaged Monday, Friday, Saturday; qualified. Duncan, 13 Vine Road, Vicarage Lane, Stratford, E.

ASSISTANT or Manager; good experience and highest references; married; aged 28; height 5 ft. 10 in. "Alpha," 423 Edgware Road, W.

MANAGING Assistant, or Senior, on premises: married, no family; aged 36; experienced; trustworthy. Scott, 21 Farrier Street, Deal.

MANAGER (Branch); Prescriber, Extractor, Photography; Store experience; married; qualified; disengaged. 129/34, Office of this Paper.

QUALIFIED Minor and Hall exams., good Dispenser and Prescriber requires temporary or permanent engagement. 130/1, Office of this Paper.

U QUALIFIED reliable Dispenser and Counterman; medium height; 24; disengaged 8 to 6.30; West-end experience; salary £2; shorter hour salary reduced accordingly. Cheetham, 2 Eland Road, Clapham Junc n.

A ISTANT (qualified); 8 years' good experience in Retail, specialties, and Dispensing. Address, "Radix" (126/23), Office of this per.

L UM-TENENS (experienced) or permanency; 35; reliable; disgaged; highest references. "Chemicus," 83 Devonshire Road, Chis k, W.

E RGETIC Assistant; good worker; 39; single; unqualified; horough all-round experience; abstainer. "Opus," 31 Commercial Road uildford.

A ISTANT (unqualified); aged 38; accustomed to preparing and utting up stock; Store and General routine experience. "Fides" 126/3 Office of this Paper.

S TH AFRICA, RHODESIA.—Unqualified; age 25; good constitution; Prescribe, Extract and Dispense; excellent references. J. (123), Office of this Paper.

W NTED, situation as Manager, or man of trust; age 28; married; good Prescriber, Extractor; Notts or Gloucestershire preferred. 127/1 Office of this Paper.

A STANT; London; 30; married; Dispenser, Prescriber, and ilful Extractor; thoroughly competent; knowledge of Dentistry. 130/2 Office of this Paper.

D PENSER (Lady), Hall certificate, desires post with doctor, ospital, or dispensary; well-educated; speaks French and German. G., 37 nning Road, Croydon.

U UALIFIED, Partnership; locum or permanent; responsible ost; thoroughly experienced, reliable; 35; tall; married. Elgie, 31 Gu hall Street, Preston.

A STANT or Manager; unqualified; 28; 13 years' first-class experience; knowledge of Photography; good Counterman; married. "Cam or" (2/35), Office of this Paper.

I SL OF MAN.—Manager, view Purchase or Partnership; 40; ngle; abstainer; energetic; experienced; highest references. "Bor " (127/17), Office of this Paper.

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A VERTISER, aged 34, married, late Manager of large Dispensary ractice and Surgeon's Retail, seeks permanency as Dispenser, Bookkeeper nd Surgery Attendant, under G. M. C. regulations, or as Manager of Ch ist's Prescribing business, at home or abroad; experienced Accou eur and Extractor. Replies, "Forceps" (130/28), Office of this Paper

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J IOR; 19; Dry or Wet. J. W., 6 Whittington Terrace, Wingfield eet, Peckham, S.E.

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"A QUESTION OF PROFIT."—Don't fail to see this Advertisement on page 6.

DAISY (LIMITED), Leeds, will be happy to advertise (at reasonable rates) in Chemists' Lists, &c., &c.

MARTYN'S DRUG CO., 34 Dalston Lane, London, will be pleased to receive any printed matter or showcards; opening shortly; business manager may be seen from 12 to 1 daily; advertising and window novelties wanted.

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Will's, Jago's, Furneaux's, Wilson's "Chemistries," each 1*s.* 2*d.*; Gray's 2*s.*, McNab's 1*s.* "Botanies"; Stewart's "Physics," 10*d.*; "Elementary Surgical Dressing," 1*s.* 2*d.*; all good condition. BAROSMA, 38 Coleridge Road, Crouch End.

"C. & D." 1883, 1884, 1885, 1887, 1888, 1889, 1890, 1891, 1892, 1895, the above complete; July to December, 1882; July to December, 1886; 1894, December 15 missing; 1893, February 18 missing; odd numbers 1896, 1897, 1898; offers wanted. HEELY, 115 Kennington Road, S.E.

"C. & D." Diary, 1882 to 1898 inclusive; *Chemist and Druggist*, 1886 to 1889, bound half-roan, 8 vols. (2 damaged on backs); ditto 1883 (May missing), 1884, 1885, 1890, 1891, 1892, 1893 (June 24 missing), 1894 (Nov. 10, 17, missing), 1895 (first half-year, March 9, Jan 19 missing), 1896, 1897, 1898, covers; Hanbury & Flückiger "Pharmacographia," 1879; *Pharmaceutical Journal*, vols. 15, 16, quarter-roan; Quain's "Dictionary of Medicine, 2 vols., Longmans, 1886; Ganot's "Physics," 9th edit.; Fowne's "Organic Chemistry," 12th edit.; Fowne's "Inorganic Chemistry," 12th edit.; Bentley's "Botany," 4th edit.; Thorne's "Botany," 3rd edit.; Armstrong's "Organic Chemistry," 2nd edit.; Cooley's "Dictionary Practical Receipts," 6th edit., full calf, 2 vols.; Spon's "Household Manual," 988 pp.; Cassell's "Popular Educator," vols. 1 to 6, 1891; no reasonable offer refused. ROOKLEDGE, Easingwold, Yorks.

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Dr. Shoemaker's "Hereditary Health and Beauty" (Shoemaker o, Philadelphia). CHEETHAM, 2 Eland Road, Lavender Hill, S.W.

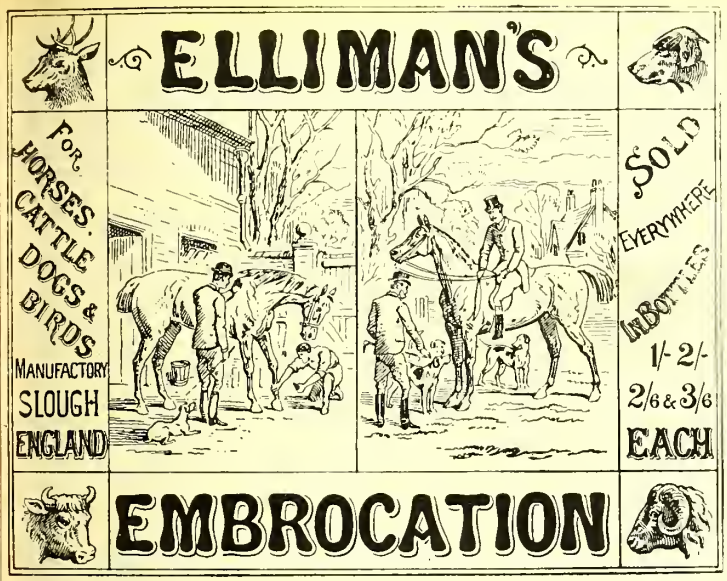
Latest editions of Maisch's "Materia Medica"; Vine's "Bot "; British Pharmacopœia. State condition and lowest price, WA CK, 58 Holland Road, Brixton, S.W.

Squire's "Companion," 16th or 17th edit.; "Pharmaceutical Form "; "Veterinary Counter Practice"; "Diseases and Remedies." rent prices of any of these to SUMNER, Chemist, Ashby-de-la-Zouch.

PERSONAL.

The present address of Dr. De Wytt, late of 4 Queen's Terrace, St. A N.B.; also of H. Sharman, formerly of the Drug Stores, Church Charlbury. W. KEMP & SON, Horncastle.

Published by Spottiswoode & Co., New-street Square; and Published at the Office 42 Cannon Street, in the City of London.—May 6, 1899



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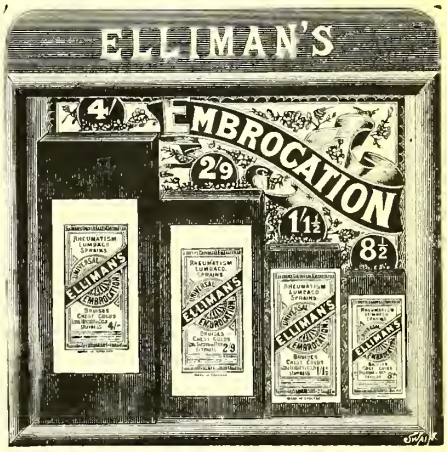

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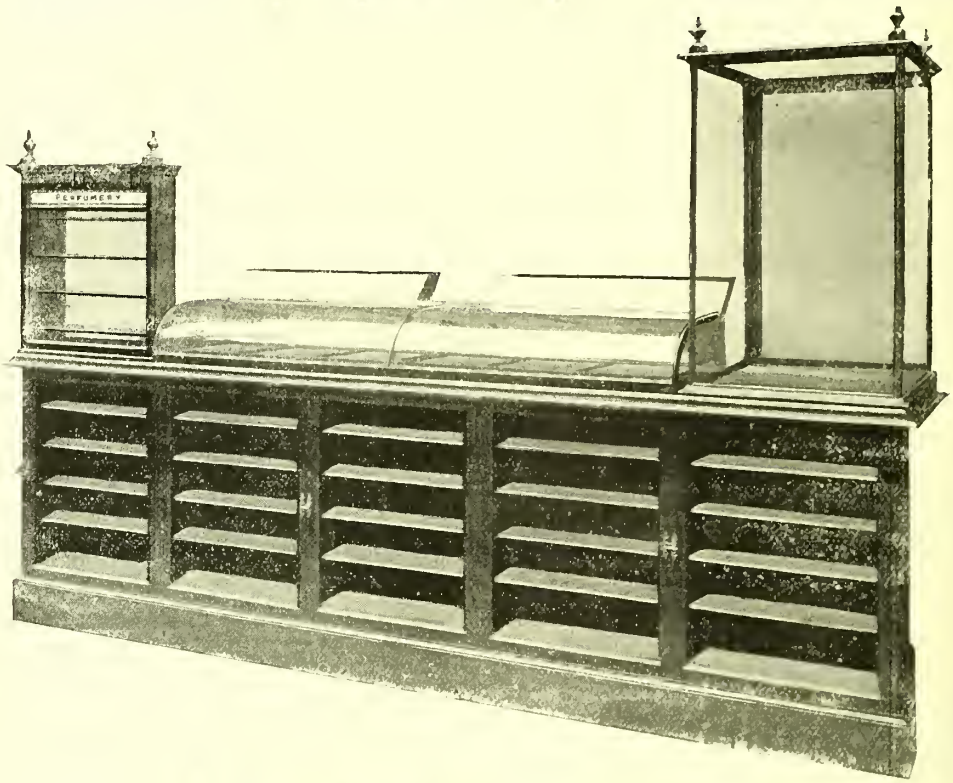

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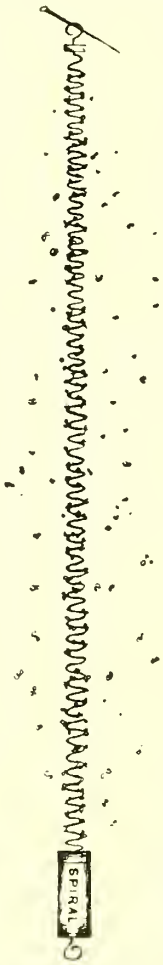

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"VIKO" as a preventive against Moth is unrivalled. It has no equal. If sprinkled amongst Furs and Clothes instantly destroys any existing Insect Life, and ensures perfect freedom from a return of the pest.

Its effect upon Insect Life is simply marvellous.

REGISTERED.

Sold in 3d., 6d., & 1s. Tins.

SOLE PROPRIETORS—

TUNBRIDGE & WRIGHT, READING.

Manufacturers of the "World-Famed FLY CEMETERY."

TO PREVENT DISAPPOINTMENT, ORDER EARLY.

The World Famous Sticky Fly Paper.

'THE FLY CEMETERY'

FREE FROM POISON.

The Original and by far the Best Sticky Fly Paper in the Market.

Annual Sale—MILLIONS.

BEWARE OF THE MANY SPURIOUS IMITATIONS IN THE MARKET.

STOCK A FLY PAPER THAT WILL GIVE SATISFACTION TO YOUR CUSTOMERS.

Terms, &c., from

TUNBRIDGE & WRIGHT, READING.

North of England Depot—4 Gallowgate, Newcastle-on-Tyne.
French Agency—34 Rue St. Martin, Cognac.

IMPORTANT NOTICE.—If any of our customers have any over year's stock of our Fly Cemeteries on hand, we shall be pleased to exchange same for fresh goods free of cost.

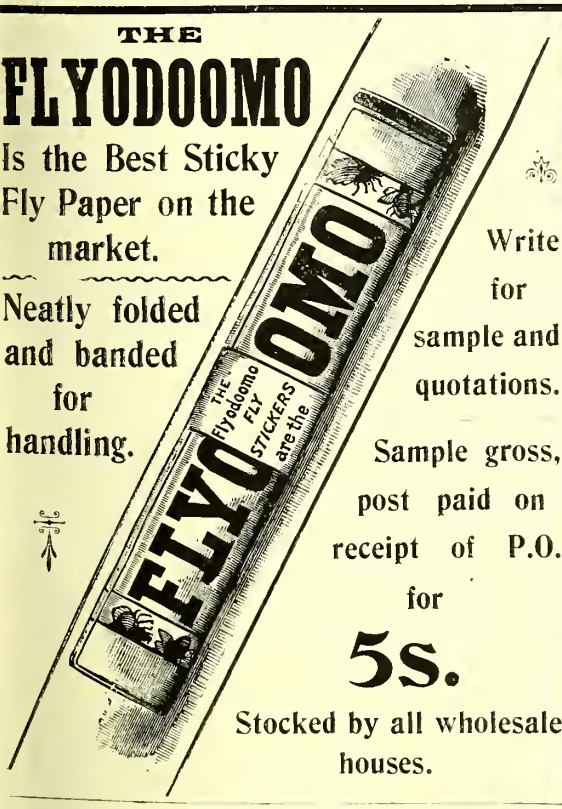
TELEGRAMS—"FLIES READING."

THE

FLYODOOMO

Is the Best Sticky Fly Paper on the market.

Neatly folded and banded for handling.



Write for sample and quotations.

Sample gross, post paid on receipt of P.O. for

5s.

Stocked by all wholesale houses.

JOHN H. SMITH & CO., NEWARK-ON-TRENT

What the Trade thinks about

"COBWEBS."

Unsolicited Testimonial.

Mr. J. P. FAST, Chemist, Walsall, wrote:

"Sept. 26th, 1898.

"Please send one gross 'Cobwebs' per return. P.O. 5/- enclosed. This makes my 20th gross this season. Before selling 'Cobwebs' my annual sale of sticky Fly Papers used to be about two gross."

"COBWEBS," 5/- per gross, carriage paid.

CASH MUST ACCOMPANY ORDER.
SAMPLES FREE.

Millions sold annually.

CHRISTY STRONG, READING.

Hunyadi János

Known, after 25 years' test in the United Kingdom, as the most popular, safest, and best Natural Aperient Water, is now being supplied through the Distributing Wholesale Houses all over Great Britain and Ireland, at prices fixed by the Proprietor, Mr. Andreas Saxlehner, of Budapest, Hungary, which are as follows:—

Per Case of	25 large bottles,	**22/6**	.....	Per dozen,	**12/-**
,, ,,	50 small ,,	**35/-**	.....	,, ,,	**10/-**
,, ,,	25 large ,,	**21/-**	Per 10-case lots.		
,, ,,	50 small ,,	**32/-**			

For net cash.

London Agency—TRAFALGAR BUILDINGS, CHARING CROSS, W.C.

DUPLICATE RECEIPT BOOKS.

No. 1256 189

Name .....

Address .....

£ s. d.

The Central Pharmacy.
66, HIGH STREET, RHYL.

No. 1256 189

Received for

J. T. BIRKBECK,

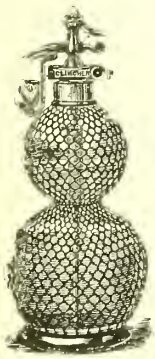
the sum of £ .....

s. ..... d. .....

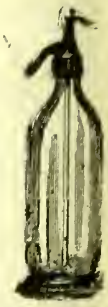
Books as this Pattern, 250 leaves, 5 checks on each leaf, numbered and part gummed, to attach to statement.

One Book, **9/-**
Two Books @ **8/-** per Bk.
Three ,, @ **6 6** ,,

JAMES TOWNSEND & SON, Medical Label Printers,
EXETER: Little Queen Street. LONDON: 2 & 3, Stonecutter Street, E.C.



THE VERY LATEST AND BEST IN SELTZOGENES
IS THE
"CLINCHER"
SUPERSEDES ALL OTHER SYSTEMS
SYPHONS
ENGLISH MAKE—ONE QUALITY ONLY—THE BEST.
PLAIN OR PORCELAIN LINED HEADS.
WRITE FOR QUOTATIONS TO



THE BRITISH SYPHON CO., 2 Gresham Buildings, Guildhall, **LONDON, E.C.**

SALUTARIS

CARRIAGE PAID BOTH WAYS.

NO CUTTING OF PRICES PERMITTED.

Retail prices on application.

NET TRADE PRICES for Cash with Order.
* Cases and Bottles (returnable) charged extra as below.

Scale		Per doz. Quarts	Per doz. Pints	Per doz. Nips	Per doz. Syphons	Per gall. in Case of 2 Jars	Per gall. in Case of 4 Jars	In Minimum Quantities of
	London and Suburbs, within radius of Carter, Paterson & Co., who deliver Full Goods and collect Empties free of charge	2/4	1/5	1/3	4/-	7d.	6d.	1 doz. Qts., 2 doz. Pts., doz. Nips, 1 doz. Syphons, 1 Case of 2 1-gall. Jars, 1 Case of 4 1-gall. Jars.
	Places distant from London Not exceeding 30 miles							
A	Over 30 miles	2/10	1/11	1/6	4/6	8d.	8d.	3 doz. Qts., 6 doz. Pts., 12 doz. Nips, 3 doz. Syphons, 4 Cases of 2 1-gall. Jars, or 2 Cases of 4 1-gall. Jars.
B	„ 30 „ „ 80 „	3/1	2/2	1/7	4/6	9d.	9d.	
C	„ 80 „ „ 130 „	3/4	2/2	1/9	4/6	10d.	10d.	6 doz. Qts., 12 doz. Pts. 16 doz. Nips, 3 doz. Syphons, 4 Cases of 2 1-gall. Jars, 2 Cases of 4 1-gall. Jars.
D	„ 130 „ „ 180 „	3/7	2/2	1/9	4/6	11d.	11d.	
E	„ 180 „ „ 250 „	3/10	2/5	1/9	4/6	1/1	1/1	
F	„ 250 „	4/1	2/8	1/9	4/6	1/3	1/3	

Single dozens 6d. extra.

* Deposit on Cases and Bottles (returnable) charged as follows: 1 doz. Quarts, 3/-; 2 doz. Pints, 4/-; 4 doz. Nips, 7/-; 1 doz. Syphons 26/-; 3 doz. Quarts, 9/-; 4 doz. Pints, 8/-; 6 doz. Pints, 12/-; Case of 2 1-gall. Jars, 4/6; Case of 4 1-gall. Jars 9/-. These amounts are refunded when the Empties are returned in good order.

Certain places served by sea are **excepted** from the above rates, such as **Aberdeen, Belfast, Brechin, Cork, Dublin, Dundee, Edinburgh, Forfar, Glasgow, Kildare, Limerick, Londonderry, Montrose, Newbridge, Newcastle-on-Tyne, Perth, St. Andrews, Tipperary, &c.,** which are supplied at Scale E; **Isle of Wight, Jersey, and Guernsey** at Scale B; **Alderney and Sark** at Scale C.

SALUTARIS WATER CO.

The Distillery, 236 Fulham Road, London, S.W.

Telephone No. 629, Kensington. Telegraphic Address: "SALUTARIS LONDON."

KINMOND'S

ROYAL LEAMINGTON

TABLE WATERS

Were first supplied to H.M. the Queen in 1858, and to H.R.H. the Prince of Wales in 1862.

UNRIVALLED for PURITY and QUALITY.

IN ORDINARY BOTTLES AND SYPHONS.

MANUFACTORY—

LEAMINGTON.

Send for Trade List and Compare Prices.

The Budget

INCREASE OF DUTY IN WINES.

We were fortunate in clearing a large quantity previous to the declaration of above, and shall **NOT** advance prices *at present*; the quality will be maintained as hitherto. We are still taking out **LICENCES** for those who are waiting for them and anxious to take up our Agencies. Our Price List is at your command on receipt of Postcard.

MAKERS AND PROPRIETORS OF

HOLLOWAY'S Coca Wine (Vinervo) and

HOLLOWAY'S Meat and Malt Wine (Vinvires).

Price List, Booklets, Window Tickets, Showcards, &c., Free.

HOLLOWAY'S WINE CO., LTD.

61 New Oxford St. & Dyott St., LONDON, W.C.

Outer Gates of South Lambeth Works

ESTABLISHED A.D. 1730.

BEAUFOY'S EXTRACT of MEAT and MALT WINE

(Guaranteed Prepared from Liebig's Extract of Meat).

ORANGE WINE (Vin. Aurantii, B.P.), COCA WINE, and QUININE WINE.

A Handsomely-printed Brochure will be sent, Post Free, together with Prices and Samples, on application with Trade Card.

BEAUFOY & CO., SOUTH LAMBETH, LONDON, S.W.

SYMONS & CO.'S Devonshire Cyder & Wines

Specially prepared for the Home & Export Trades.

BOTTLING AGENTS AND THE TRADE SUPPLIED ON LIBERAL TERMS.

CYDER IN WOOD.

	Per Gall s. d.
Imperial Cyder (Specially prepared) - -	- 1 9
Apple and Blossom Cyder	- 1 6
Champagne Cyder -	- 1 4
Sweet Draught - -	- 1 8
Medium Draught - -	- 1 8
Superior Dry Draught -	- 1 2
Symonia (Non-Alcoholic)	- 1 0
Sydrina (Non-Alcoholic)	- 1 0

Casks charged and allowed for if returned within two months, in good condition, to same address as sent from, and advised by post.

Terms, Delivery, &c.

A Discount of 2½% will be allowed for Cash with Order. Accounts sent out Monthly.

Cyder, Perry, Symonia, and Sydrina are sent out in Cases containing 3-dozen Quarts, or 4-dozen Pints, and Casks of 14, 20, 30, 40, 60, and 116 Gallons.

Symonia and Sydrina in ½-pints, Cases of 6 dozen.

Sparkling Wines, 1 dozen Large, or 1 dozen Half-Bottles.

Prices include Bottles, but Cases are charged 1/6 per dozen extra, and allowed for if returned Carriage Paid, in good condition, within one month.

Carriage Paid to any Railway Station in England and Wales.

TRADE DISCOUNTS ON APPLICATION.

CYDER AND WINES IN BOTTLE.

Bottles Free, and Carriage Paid.

	Per Doz. Bottles s. d.
Imperial Cyder - - (Extra Dry). Gold Foil.	- 10 0
Apple and Blossom Cyder - (Sweet or Dry). Silver Foil.	7 6
Champagne Cyder - - (Medium Dry). Red Label.	6 6
Symonia (Non-Alcoholic) ½-Pts.	8 0
Sydrina (Non-Alcoholic) do.	8 0
Imperial Perry - -	- 10 0

2/- extra per Two Dozen Half-Bottles

"ROYAL EXCELSIOR" SPARKLING WINES

Pale Dry Creaming - (Champagne Style).	- 21
Devonshire Chablis -	- 15
Devonshire Hock -	- 15
Devonshire Moselle - (English Rhine Brand).	- 24

3/- extra per Two Dozen Half-Bottles

Symonia and Sydrina are the best Temperance Drinks of the day, and may be sold by Chemists.

Our Local Bottling Agents can often reduce prices in Bottle by importing Wood, thus saving the extra Carriage, &c.

Instructions for Storing, &c.

On receipt of the case of Cyder, unpack and stand the bottles in an upright position in a cool cellar of from 50 to 60 degrees temperature, to settle down, and return empty cases to us; or, if wanted for immediate use, in a temperature of 60 degrees, when it will get into condition and will come out an effervescing, delicious drink, healthful and invigorating without being heady. If a dry Cyder is required, keep twelve months or more in bottle. *Wines must be laid down.*

FRUIT MILLS, TOTNES, DEVON, ENGLAND.

NATURAL MINERAL WATERS.

PACKING FREE. **INGRAM & ROYLE LTD.** CARRIAGE PAID.

LONDON—EAST PAUL'S WHARF, 26 UPPER THAMES ST., E.C.

HUNYADI-JÁNOS

LIVERPOOL: 19 South John Street.

BRISTOL: Bath Bridge.

VICHY

NAME	Per Dozen Bots.	Per Dozen ½-Bots.	Original Packages Bottles		Original Packages ½-Bottles	
Abrolis	5/-	4/-	50	18/-	100	27/6
Æsculap	15/-	12/-	25	30/-	50	50/-
Apenta	10/-	8/3	25	20/-	50	32/6
Apollinaris..	6/-	5/-	50	23/-	100	36/-
Bourboule (La) ..	11/-	—	50	42/-	—	—
CARLSBAD	12/-	—	50	49/-	—	—
Condal	—	14/-	—	—	50	56/-
Contrexeville ..	9/-	—	50	35/-	—	—
Ems	7/-	—	50	28/-	—	—
Evian	8/6	—	60	40/-	—	—
Fachingen	7/6	—	50	29/-	—	—
Flitwick	24/-	15/-	—	—	—	—
Franz-Josef	12/-	10/-	25	22/6	50	35/-
Friedrichshall	12/6	10/-	25	25/-	50	40/-
Gichtwasser (Wiesbaden)	12/-	—	—	—	—	—
Gerolstein .. .	5/-	4/-	50	20/-	50	16/-
HUNYADI-JANOS ..	12/-	10/-	25	22/6	50	35/-
Johannis	5/6	4/-	50	20/-	100	32/-
Kronenquelle ..	9/-	—	50	36/-	—	—

NAME	Per Dozen Bots.	Per Dozen ½-Bots.	Original Packages Bottles		Original Packages ½-Bottles	
Kronthal (red label) ..	7/-	5/6	50	25/-	100	40/-
" (blue label)..	6/-	4/6	50	23/-	100	36/-
Levico	—	18/-	—	—	—	—
Oberbrunnen ..	8/6	—	50	35/-	—	—
Pullna	12/-	8/-	40	36/-	40	25/-
Reginaris	5/6	4/6	50	21/-	50	17/-
Roisdorf	5/6	4/6	50	22/-	100	35/-
Rosbach..	5/6	4/-	50	20/-	100	32/-
Royat	9/-	—	50	34/-	—	—
Rubinat	15/-	8/-	25	30/-	100	60/-
St. Galmier	6/-	4/6	50	22/-	100	34/-
St. Marco	11/-	—	50	42/-	—	—
Salutaris (not car. paid)	4/-	2/6	—	—	—	—
Selters	6/-	4/6	50	24/-	50	17/-
Taunus	5/-	4/-	50	20/-	100	30/-
Vals	8/6	—	50	33/-	—	—
VICHY (State Springs), "Celestins," "Grande-Grille," &c.	8/6	6/6	50	33/-	50	25/-

DISCOUNT ALLOWED ON LONDON ORDERS. DETAILED PRICE LIST & PAMPHLET ON APPLICATION.

A. MILLAR & CO., LTD., DUBLIN

PURE ORANGE WINE

(VINUM AURANTII B.P.), prepared in strict accordance with the Formula of the British Pharmacopœia.

A COMPLETE APPARATUS, CAPABLE OF PRODUCING OVER

300 DOZ. BOTTLES

of Aerated Water per day, at a minimum of cost, from

£20.

NO DANGER. NO MESS.

SODA-WATER MACHINERY

BOTTLES, SYPHONS, AND ALL APPLIANCES FOR THE TRADE.

Write for ILLUSTRATED CATALOGUE

Post Free upon Application.

BARNETT & FOSTER

NIAGARA WORKS,

26T EAGLE WHARF ROAD, LONDON, N.

10 Gold Medals. 45 Highest Awards.

ROBINSON'S ORIGINAL

CONCENTRATED WATERS.

ESTABLISHED 1855.

When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

Aqua	Amygd. Amar. Conc. (U.S.)	4/- per lb.	Aqua	Cassiæ Conc.	4/- per lb.	Aqua	Menth. Virid. Conc.	4/- per lb.
"	Anethi, Concent.	4/- "	"	Flor. Aurant.	8/6 "	"	Pimentæ "	4/- "
"	Anisi "	4/- "	"	" Sambuci Conc.	8/6 "	"	Pulegii "	4/- "
"	Camphoræ "	4/- "	"	Fœniculi Conc...	4/- "	"	Rosmarini "	4/- "
"	Carui "	4/- "	"	Menth. Pip. Conc.	4/- "	"	Rosæ "	8/6 "
"	Cinnam. Ver. Conc.	6/- "	"	" Ang. Conc.	8/ "	"	" Virgin "	10/6 "

The above may be had in ½-lb. or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses.

Each Bottle has the Inventor's Protection Label over the cork, without which none are genuine

SUPERIOR ORANGE WINE (Vin. Aurantii, B.P.)

Samples of any of the above sent free on application from

B. ROBINSON, Distiller and Brewer of British Wines, Church Street, PENDLETON, MANCHESTER.

BURROUGH'S "RED CROSS BRAND"

COCA WINE.

CALE STREET DISTILLERY
CHELSEA,
LONDON, S.W.

WRITE FOR PRICES AND SAMPLES.

Also S.V.R. & S.V.M.
At Lowest Prices. [3]

Dr. A. B. Griffiths says, "Second to none in the market."—*Aug.* 24, 1896.

TWO ✱ GOOD ✱ LINES.

PROTECTED PROFITS 30 PER CENT.

			MINIMUM SELLING PRICE.
HALL'S WINE, PER CASE	(1 doz.) ...	27/- ...	3/- Per Bottle.
" " "	(2 doz.) ...	31/- ...	1/9 "

KEYSTONE BEEF WINE—The ONLY Wine Prepared with The Liebig Co.'s Extract.

" " " PER CASE	(1 doz.)	30/- ...	3/3 Per Bottle,
" " " "	(2 doz.)	34/- ...	2/- "

Both these Preparations are well Advertised.

ATTRACTIVE WINDOW DISPLAYS

SENT FREE AND CARRIAGE PAID.

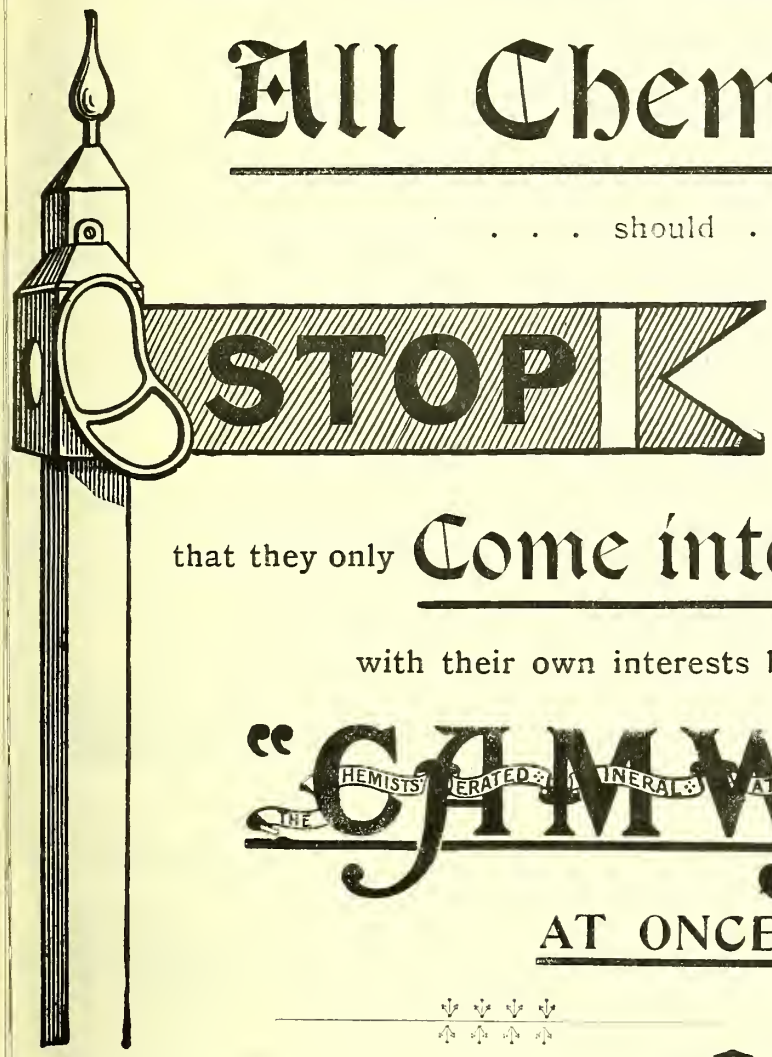
Handbills, Pamphlets, and other printed matter, with own name and address.

Also ARTISTIC SHOWCARDS and DUMMIES FREE, on application to Proprietors—

STEPHEN SMITH & CO., LTD., BOW, LONDON, E.

All Chemists

. . . should . . .



to consider

that they only **Come into Collision**

with their own interests by not joining

"CAMWAL"

THE CHEMISTS' AERATED MINERAL WATERS ASSOCIATION LIMITED

AT ONCE.

The Busy Season
. . . is Coming !

Now is the time to

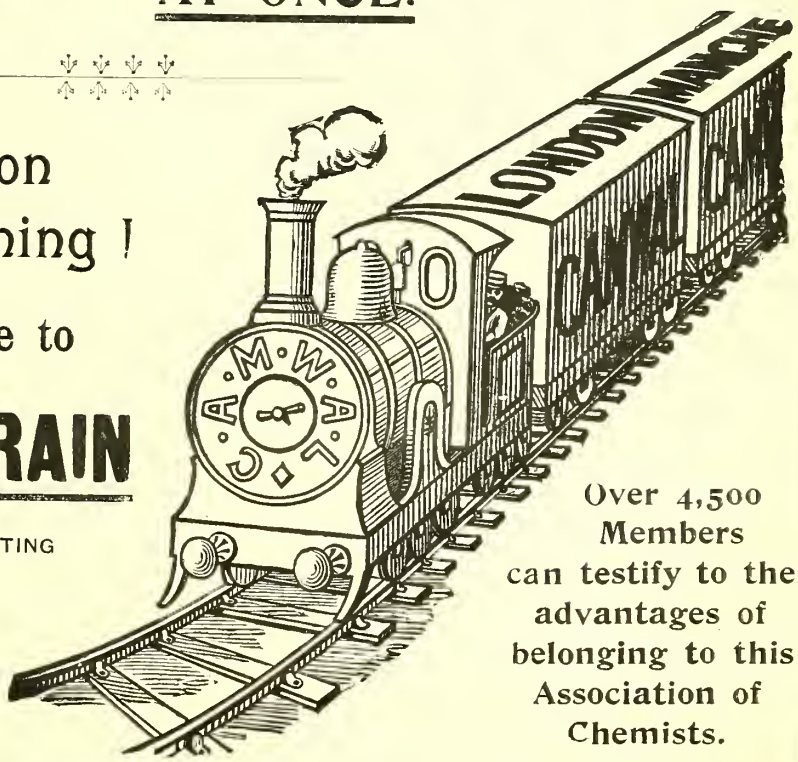
JOIN THE TRAIN

OF THOSE WHO ARE GETTING

Handsome Profits

— AND —

Increased Sales.



Over 4,500 Members can testify to the advantages of belonging to this Association of Chemists.

Proved Products of 170 years' reputation.

FRY'S
COCOAS & CHOCOLATES.

Price Lists, &c., on application.

TELEGRAPHIC ADDRESSES—
"FRY, BRISTOL." "FRYSON, LONDON."

250 GOLD MEDALS AND DIPLOMAS.

WOODS' ARECA NUT TOOTH PASTE 6d & 1/- PER POT

Sold EVERYWHERE.

Largest Sale in the World. Hundreds of Testimonials. Have no Substitute.

Also in Collapsible Tubes, 1s. each.

WOODS, PLYMOUTH.

Removes Tartar, Whitens the Teeth, Sweetens the Breath, and Checks Decay.

CHEMISTS

Who stock "FRAME FOOD" DIET and "FRAME FOOD" JELLY, but obtain their supplies through the Wholesale Houses, are requested to send their address to the FRAME FOOD CO. (LTD.) for insertion in the Company's List of Retailers.

The FRAME FOOD CO. will then refer applicants for free samples (many thousands of which applications they receive) to such retailers for further supplies of F. F. Diet or Jelly.

SHOWCARDS, and Leaflets with Retailer's Address printed in red, sent free on application.

Mention this Paper.

TRADE MARK FRAME FOOD CO. LD.

BATTERSEA, LONDON, S.W.

Seasonable Lines.

MASON'S
WINE ✱ ESSENCES
IN ALL FRUIT FLAVOURS.

A Sixpenny Bottle makes a gallon of Delicious Wine—Non-alcoholic.

MASON'S
COFFEE ESSENCE.
THE BEST MADE.

28 GOLD MEDALS.

NEWBALL & MASON, NOTTINGHAM

DR TIBBLES' Vi-Cocoa

"Undoubted Purity and Strength."—*Medical Magazine.*

"In the front rank of really Valuable Foods."—*Lancet.*

PERFECTLY PURE BUT NOT INSIPID

FAVOURED BY THE HOMES AND HOSPITALS OF GREAT BRITAIN.

REGISTERED TRADE MARK TOWER TEA LIMITED STRENGTH LONDON 5 Jewry Street, London, E.C.

TOWER TEA.

The Best and the Cheapest in the World at the Price.

In ¼, ½, and 1-lb. Packets only, to Retail at 1/-, 1/2, 1/4, 1/6, 1/7, 1/8, 1/10, 2/-, 2/4, 2/8 per lb. Also in Handsome 1-lb., 3-lb., and 5-lb. Decorated Tins, to Retail at 1/10, 2/-, and 2/4 per lb.

Agents appointed by

TOWER TEA, LIMITED, 5 JEWRY STREET, LONDON, E.C.

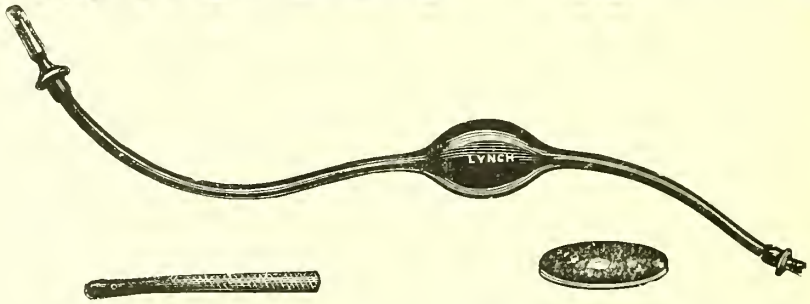
van Houten's Cocoa

The "LANCET" says:—"Pure and unmixed." "Delicate aroma."
"Really cheaper to use."

ENEMAS

MADE OF

VULCANIZED RUBBER.



Owing to the demand that still exists for cheap Enemas, we have had one of the Seamless Pattern specially prepared for our trade, made from rubber of good quality and ***vulcanized.*** The advantages of Vulcanized Rubber over all other kinds will be obvious to all who handle these goods, one very important point being that it will not go hard in cold weather.

Black, Highly Polished, with Bone Rectum Tube, Elastic Gum Vaginal Pipe, and Shield, complete, in Oval Card Box.

17s. per dozen net.

Same as above, but in Grey Rubber, complete,

15s. 6d. per dozen net.

NO ADVANCE ON ABOVE PRICES

WILL BE CHARGED.

LYNCH & CO., LIM.

192 Aldersgate St., LONDON E.C.

Telephone Number, Bank 852. Telegraphic Address—CHEMICUS LONDON.

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Fink, F., & Co.	64
Fletcher, Fletcher & Co.	5, *Tex.* 730
Frame Food Co.	14
French Hygienic Society	47
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Gilbert & Rivington (Lim.)	63
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Gordon's College	61
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Grimble & Co.	*Text* 730
Harrison, G. W.	6
Harvey, S. (Lim.)	30
Hawkesley, T.	22
Hearn (Lim.)	65
Hearon, Squire & Francis	34
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Holloway's Wine Co. (Lim.)	9
Hooper & Co.	*Cover*
Horlick & Co.	*Text* 730
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Hydroxene Co., The	25
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Ingram & Royle (Lim.)	11
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Itsem Household Dye Co.	64
Jeancard, Gazan & Doumin	28
Jewsbury & Brown	29
Johnson & Hooper	6
Jones & Co.	29
Josephs, Philip, & Son	4
Jules Vigo (Lim.)	24
Kahnemann & Krause	38
Kay Bros. (Lim.)	6
Kent, G. B., & Sons	25
Kinmond & Co.	9
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Levermore, A., & Co.	64
Liverpool School of Pharmacy	60
Lloyd, T. H., & Co.	43
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May & Baker (Lim.)	*Cover*
May, Roberts & Co	*Cover*
Meggitt, Samuel, & Sons (Lim.)	59
Merck, E.	39
Metropolitan College of Pharmacy	60
Millar, A., & Co. (Lim.)	11
Mumford, G. S.	*Text* 730
Munyon's Homœopathic Home Remedy Co.	31
Muter, Dr.	61
Nelson, Dale & Co.	*Text* 730
Newball & Mason	14
Nicolay & Co.	46
Ollapearl Co.	29
Parnall & Sons (Lim.)	63
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Sanger, J., & Sons	49
Sanitas Co., The (Lim.)	*Te.* 730
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Spencer & Son	64
Spurway et Cie.	25
Squire & Son	61
Stern Bros.	30
Strong, Christy	7
Symonds, J., & Co. (Lim.)	10
Thiemay, E. H.	64
Thierry, A.	38
Thomas & Co.	65
Thornton-Pickard Manufacturing Co. (Lim.)	64
Tidman & Sons (Lim.)	55
Tomlinson, T., & Son	*Col. Supp.*
Tower Tea (Lim.)	15
Townsend, J.	8
Tunbridge & Wright	7
Tyrer T. & Co. (Lim.)	45
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Van Houten	15
Vasogenfabrik, Pearson & Co.	48
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Warrick Bros.	*Text* 730
Washington Chemical Co.	45
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CLASSIFIED LIST OF ALL ADVERTISERS

Whose Announcements appear in "THE CHEMIST AND DRUGGIST." Those whose Names do not appear in the preceding Index are published in one of the other Issues of this month.

CIDS
Beaufoy & Co. (Acetic)

DVERTISING SPECIALITIES
Corsan, J. R.
Sharland & Co.
Smith's Advertising Agency

ERATED & MINRLS
Apollinaris Co.
Barnett & Foster
Burrows, W & J.
Chemists' Aerated Mineral Waters Association, Lim
Davy, Hill & Son, Yates & Hicks
Mills & Son (Ruthin)
Idris & Co., Lim.
Ingram & Royle, Lim.
Jewsbury & Brown
Kronthal Water Co., Lim.
Mills & Co. (Bourne)
Roebach Springs, Lim.
Saintaris Water Co.
Smith, W. E., & Co.
Whitwill, Mark, Son & Judge

ERATED PLANT
See SYPHONS and ESSENCES)
Barnett & Foster
Bertie-Smith & Co.
Tyler, Hayward & Co.

GENCIES ABROAD
Byrne, F. J.
Lennon, G. B., & Co. (N.Z.)
Peake, Allen & Co.
Smart & Copley
Smith & Sons
Smyth, A., & Cie. (Paris Exhibition)
Taylor & Colisdge

PPARATUS
Bennett, Sons & Shears
Berend, C., & Co.
Brewster, Smith & Co.
Southall Bros. & Barclay
Woolley, J. Sons & Co.

AMMONIA
May & Baker, Lim.
Sornhb & Co.
White, A., & Sons

ANNATTO
Crawshaw, E., & Co.

BATH SALTS
Tidman & Son, Lim. (Sea Salt)

BEESWAX
Beeswax Co., Lim.
Bowdlear, W. R., & Co.
Evans, Sons & Co.
Leonhard, T.
Lüneburger Wachebleiche

BICARB. SODA
Brunner, Mond & Co., Lim.
Howards & Sons
May & Baker, Lim.

BISMUTH PREP.
Hewlett & Sons
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.
White, Alfred, & Son

BOOKS, &c.
Churchill, J. & A.
Muter's, Dr., Anal. Chem.
Squire's "Companion"

BOTTLES, POTS, &c.
Ayrton & Saunders
Barnett & Foster
Barrett, R. H.
Breffitts, Lim
Gilbertson, H., & Sons, Lim.
Hearns, Lim.
Isaacs & Co.
Kilner Bros.
Lynch & Co., Lim.
Maw, S., Son & Thompson
Poths, H., & Co.
Stipendum Stopper Co., Lim
Toogood, W.
Youldon, E.

BUTTER COLOUR &c.
Allison, Johnson & Foster, Lim.
Crawshaw, E., & Co.

BOXES
Anetin & Co. (Cardboard)
Evans, Sons & Co.
Glover, C. H., & Co.
Kent, G. B., & Son
Robinson & Sons
Tinplate Decorating Co.

BRUSHES
Evans, Sons & Co
Hovenden & Sons
Kent, G. B., & Sons
Wimpory, E.

BUNSEN BURNERS
Berend & Co.

CACHOUS
Allen & Hanburys, Lim.
Bleasdale & Co., Lim.
Carmichael, M. W.
Jackson, T.
Lloyd, T. H., & Co.
Raimes & Co.
Warrick Bros.

CACHETS
Christy, T., & Co
Cooper & Co.
Sangers, J., & Son

CAMPHOR
Howards & Sons
May & Baker, Lim.

CAPSULES
Allen & Hanburys, Lim.
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Ferber, R., & Co.
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Mason, C. E., & Co.
Warrick Bros.

CARBOLIC ACID
Calvert & Co.
Stevenson, H. E., & Co.

CARBONIC ACID GAS
Carbonic Acid Gas Co.

CARRIER TRICYCLES
Singer Cycle Co., Lim.

CASCARA SAGRADA
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Ferris & Co.
Galen Manufacturing Co., Lim.
Harker, Stagg & Morgan
Parke, Davis & Co.

CASTOR OIL
Hull Oil Mfg Co., Lim.
United British Castor Oil Co., Lim.

CHALK, PRECIP.
Levermore, Aug., & Co.

CHECK TILLS
British Machine Co., Lim.
O'Brien, T.
Paragon Check Books

CHEMICALS
Allison, Johnson & Forster, Ld.
Boehm, Fredk.
Boehringer, C. F., & Sohne
Brunner, Mond & Co., Lim.
Burgoyne, Burbidges & Co.
Davy, Hill & Son, Yates & Hicks
Evans, Lescher & Webb
Evans, Sons & Co.
Goodall, Backhous & Co.
Howards & Sons (Pharm.
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
May & Baker, Lim.
Sanitas Co., Lim.
Scottish Acid & Alkali Co., Ld.
Smith, B. A., & Co.
Smith, T. & H., & Co.
Stevenson, H. E., & Co.
Typke & King
Tyrer, T., & Co., Lim.
Voss, Walter, & Co.
Washington Chemical Co.
White, A., & Son

COCAINE-HYDRO.
Howards & Sons

CHEST PROTECTORS
Liverpool Patent Lint Co.
Maw, S., Son & Thompson
Solport Bros.
Wood, Vincent

CHLORIDE OF LIME
Hebden, W. C.
Steele, J. C. & Co.

CHLORODYNE
Davenport (Browne's)

CHLOROFORM
Duncan, Flockhart & Co
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

COCA WINE
Burrough, J.
Evans, Lescher & Webb
French Hygienic Society
Holloway Wine Co., Lim.
Stephen Smith & Co., Lim. (Hall's)
Wilcox & Co., Lim.
Wright, Layman & Umney

COCOA & CHOCOLATE
Cadbury Bros.
Fry & Sons
Van Houten
Vi-Cocoa (Dr. Tibbles')

COD-LIVER OIL
Allen & Hanburys
Burroughs, Wellcome & Co
Evans, Lescher & Web
Evans, Sons & Co.
Goodall, Backhouse & Co.
Harker, Stagg & Morgan
Kemp & Son
Lofthouse & Saltmer
Randall & Son
Smith, T. & H., & Co.
Spratt's Patent (Dog Cakes)
Scott's Emulsion
Southall Bros. & Barclay
Stevenson, H. E., & Co.
Wilkinson & Simpson, Lim.
Wright, Layman & Umney

COLLAPSIBLE TUBES
Christy, T., & Co.
Marshalls, Lim.
Vigo, Jules, et Cie.

COMP. MEDICINES
Allen & Hanburys
Burroughs, Wellcome & Co.
Leo & Co.
Lloyd, T. Howard, & Co.
Parke, Davis & Co.
Wright, Layman & Umney

CONCENT. LIQUORS
Baiss Bros. & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Robinson B.

CONFECTIONERY
Dunhill & Co.
Gibson & Sons
Guest, T., & Co.
Hillabys, Lim.

CORKS
Ayrton & Saunders
Cork Co., Lim.
Ellis, W., & Co.
Ringrose & Cobb

CORN CURES
Gardner, C. | Potter & Clarke
Solport Bros.

CRUSHED LINSEED
Mumford, G. S.
Nell, R. & J.

DENTIFRICES, &c.
Beecham, T.
Beetham, T., & Son
Forster, G. G.
Hovenden & Sons
Jewsbury & Brown
Mason, C. E., & Co.
Ollapearl Co.
Stevens, P. A.
Sutton, O., & Co.
Woods, W. (Areca Nut)

DENTISTRY
Barker, F. H.
Fentiman, A. G.
Fentiman, A. J., & Co.
Macdonalds, Lim.
Spencer & Son

DISINFECTANTS
Allison, Johnson & Foster, Lim.
Calvert, F. C., & Co.
Chinosol Hygienic Co., Lim.
Dussek Bros.
Fletcher Bros. & Co.
Hebden, W. C.
Kay Bros., Lim.
Kühn, B. (Chinosol, Kresochine)
Mackey, Mackey & Co.
Major & Co., Lim.
May & Baker, Lim.
Sanitas Co., Lim.
Steele, J. C., & Co.
Tomlinson & Hayward
Tyrer, T., & Co., Lim.
United Alkali Co., Lim.

DOG MEDICINES, &c.
Lloyd, T. Howard, & Co.
Naldire's Dog Soap
Spratt's Patent, Lim.

DRUGGISTS' SUNDRS.
Ayrton & Saunders
Barclay & Sons, Lim.
Benjamin, H. S.
Bleasdale & Co., Lim.
Burge, Warren & Ridley
Cooper, V. L.
Dalley & Wilkinson
Evans, Lescher & Webb
Evans, Sons & Co. (Savars)
Fordham, W. B., & Sons, Lim.
Gilbertson, H., & Sons, Lim.
Gillespie & Co.
Hovenden & Sons
Kay Bros., Lim.
Lorimer & Moyes
Marshalls, Lim.
Maw, S., Son, & Thompson
May, Roberts & Co.
Newbery, F., & Sons
Parkes, J., & Co.
Queloh, H. C.
Roberts & Sheppey
Sanger & Sons | Schutze & Co.
Smith, John H., & Co.
Solport Bros.
Southall Bros. & Barclay
Tidman & Son | Toogood, W.
Wood, Vincent
Woolf, E.

DRUG GRINDERS
Allen, S., & Sons

DRUGS
Allison, Johnson & Forster, Ld.
Bleasdale & Co., Lim.
Lofthouse & Saltmer
Oppenheimer, Son & Co.
Stevenson, H. E., & Co.
Wyley's, Lim.

DYES
Crawshaw, E., & Co.
Iteem Household Dye Co.

EMBROCATION
Day & Sons
Elliman, Sons & Co.
Harvey & Co.
Post, A. M., Lim.
Sanitas Co., Lim.

EAU DE COLOGNE
Farina, J. M.
Sainsbury, S.
Van Oppen & Co.

ENEMAS
Barclay & Sons, Lim.
Evans, Sons & Co.
Lynch & Co. Lim.
Sanger & Son | Wood, Vincent
Woolley, J., Sons & Co., Lim.

ESSENCES
Allen & Hanburys, Lim.
Barnett & Foster
Burgoyne, Burbidges & Co
Bush, W. J., & Co.
Deighton & Smith
Fletcher, Fletcher & Co.
Goodall, Backhouse & Co.
May & Baker, Lim
Newball & Mason
Stevenson & Howell
Woolley, Sons & Co.

ESSENTIAL OILS
Allen, S., & Sons
Barnett & Foster
Bush, W. J., & Co.
Essential Oil Importers and Exporters, Lim
Evans, Sons & Co.
Jakson, J., & Co.
Jeancard, Gazan & Doumin
London Essence Co.
May & Baker, Lim.
Poppelreuter, W.
Ransom, Wm., & Sons
Sanitas Co., Lim.
Sozio & Andriolli
Spurway & Cie.
Stevenson, H. E., & Co.
Stevenson & Howell
Treatt, R. C. | Warrick Bros.
Wilkinson & Simpson, Lim.
Wright, Layman & Umney

ETHER
Duncan, Flockhart & Co.
Howards & Sons
Macfarlan, J. F., & Co.
May & Baker, Lim.
Tyrer, T., & Co.
White, A., & Sons
Wright, Layman & Umney

EUCALYPTUS OIL
Drysdale, J. W., & Co.
Sanitas Co., Lim.
Sharland & Co.
Tasmanian Eucalyptus Oil Co

EXTRACT MEAT
Armour & Co. | Brand & Co.
Beaufoy & Co.
Liebig Co.

EXTRACTS, FLUID
Allen & Hanburys
Allen, G., & Co.
Bleasdale & Co., Lim.
Burgoyne, Burbidges & Co.
Evans, Sons & Co.
Fletcher, Fletcher & Co.
Hearon, Squire & Francis
Lloyd, T. Howard, & Co.
Parke, Davis & Co.
Potter & Clarke
Ransom, W., & Son
Wilkinson & Simpson, Lim.
Wright, Layman & Umney

EXTRACTS, SOLID
Allen, G., & Co.
Ransom, W., & Son

EXTRACTS, VEGTBLE.
Fromms Extract Co.

FEEDING BOTTLES
Barclay & Sons, Lim.
Evans, Sons & Co.
Gilbertson, H., & Sons, Lim.
Hovenden & Sons
Kilner Bros.
Lynch & Co., Lim.
Marriott, E., & Co.
Maw, S., Son & Thompson
May, Roberts & Co.
Youldon, E.

FILTERS
Berkfeld Filter Co., Lim.
Mawson Filter Co.

FLY CATCHERS
Alabastine Co. (British), Lim.
Ford, Shapland & Co.
Kay Bros, Lim.
Marshalls, Lim.
Mather, W., Lim.
Smith, J. H., & Co.
Strong, Christy
Tunbridge & Wright

FOOD (Infants' & Invalids')
Allen & Hanburys
Beanes, E., & Co.
Benger's Food
Bleasdale & Co., Lim.
Bovril, Lim. | Brand & Co.
Burgoyne, Burbidges & Co.
Coomb's Flour Co., Lim.
Frame Food Co.
Fromms Extract Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Liebig Co.
Mellin's Food
Milk Wine Co., Lim.
Nestlé, H.
Savory & Moore
Vi-Cocoa (Dr. Tibbles')

FOOD (for Plants)
Sharon Chemical Co., Lim.

GELATINES
Meggett, Saml., & Sons, Lim.

GLUE
Barclay & Sons, Lim.
Brauer, A.

GLYCERINE
Fink & Co.
Haller, G., & Co.
Price's Candle Co., Lim.

GRANULAR PREP.
Bishop, A., & Sons
Evans, Gadd & Co.
Evans, Sons & Co.
Hearon, Squire & Francis
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Tyrer, T., & Co., Lim.
Wright, Layman & Umney

HAIR PREP.
Chesebrough Co.
Edwards & Co.
Hopgood's Hair Cream
Thiellay, E. H.

HERB BEER EXTS.
Newball & Mason
Potter & Clarke

HOMŒOPATHIC
Epps, J., & Co.
Leath & Ross
Munyon's Remedies
Watson & Wates

HYPOPHOSPHITES
Duncan, Flockhart & Co.
Fellows
Fletcher, Fletcher & Co.
Tyrer, T., & Co., Lim.

INHALERS
Krone & Sesemann
Lynch & Co., Lim.
Munyon's H. H. R. Co.

INSECTICIDES
Bleasdale, Lim.
Fleming's Oil & Chemical Co. Lim.
Jackson, T.
Tunbridge & Wright

LANTERN SLIDES
York & Son

LAVENDER WATER
Sainsbury, S.

LEMON PEEL, &c.
Southwell, C., & Co.

LIME JUICE, &c.
Idris & Co., Lim.

LINT
Burgoyne, Burbidges & Co.
Christy, T., & Co.
Liverpool Lint Co.
Maw, S., Son & Thompson
Newsome, C.
Robinson & Sons
Wood, Vincent

LIQUORICE
Dunhill & Co.
Evans, Gray & Hood ("Solazzi")
Evans, Sons & Co. (Savarini)
Hillabys, J.
Jeancard, Gazan & Doumin

LIQUORS
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Oppenheimer, Son & Co., Lim.
Stevenson, H. E., & Co.

LOOFAHS
Solport Bros.

LOZENGES
Allen & Hanburys
Denoual, J.
Gibson, R., & Sons (Manfrs.)
Guest, T., & Co., Lim.
Jackson, T.
Raimes & Co.
Warrick Bros.

LUNG PRESERVERS
Zimmer & Co.

MACHINERY
Bennett, Sons & Shears, Lim.
Bera, G.
Fox, Fultz & Co.
Gardner, W., & Sons
Melin, C.
Pindar, J. W.
Werner, Pfleiderer & Perkins, Lim.

MAGNESIA
American Magnesia Co.
Bishop, A., & Sons, Lim.
Bleasdale, W., & Co.
Henry, T. & W. (Calcined
Lloyd, T. Howard, & Co.
Washington Chemical Co.

MALT EXTRACT, &c.
Allen & Hanburys
Burroughs, Wellcome & Co. (Kepler's)
Distilleries Co., Lim.
Hearon, Squire & Francis
Parke, Davis & Co.
Price's Patent Candle Co., Ld.
Raimes & Co.
Raimes, Clark & Co.
Robinson & Co.

MARKING INKS
John Bond's Crystal Palace

MEDICINE CHESTS
Burroughs, Wellcome & Co.
Day, Son & Hewitt (Veterinary
Day & Sons (Veterinary)

MICROSCOPES
Darton, F., & Co.
Ross, Lim.

MERCURIALS
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co., Lim.

METH. SPIRIT, &c.
Boord & Son | Burrough, J.
Jones & Co. | Phillips, G., & Co

MILK
Hawksley, T. (Sterilised)
Lumley, L., & Co. (Sterilised)
Nestlé, H. (Condensed)

MORPHIA
Macfarlan, J. F., & Co.
Smith, T. & H. & Co.

OILS, VARNISHES
Calvert Bros. & Co.
Cooper & Co.
Pinchin, Johnson & Co.
Stern Bros. (White.)

OINTMENT BASES, &c.
Burroughs, Wellcome & Co. (Lanoline)
Chesebrough Co. (Vaseline)
Cooper & Co.
Lloyd, T. Howard, & Co.
Stevenson, H. E., & Co.
Thierry, A.

OXIDE OF ZINC
Hubbuck, T., & Son, Lim.
Stevenson, H. E., & Co.

PALATINOIDS
Oppenheimer, Son & Co., Lim.

PATENT AGENTS
Barker, Reginald W.
Chapman, J. C., & Co.

PATENT MEDCNS, &c.
Anglo-American Drug Co., Ld
Barclay & Sons, Lim.
Beecham, T. (Pills)
Benedictine Salve
Clarke's Blood Mixture
"Daisy" Headache Powders
Edwards & Son
Evans, Lescher & Webb
Evans, Sons & Co.
Fenning (Powders)
Goodall, Backhouse & Co.
Guy's Tonic
Holloway (Pills and Oint.)
Hovenden & Sons
Lageman, C.
Lalor (Phosphodyne, &c.)
May, Roberts & Co.
Nicolay & Co.
Post, A. M., Lim.
Powell, Thomas, Lim.
Richards, J. M.
Thierry, A. (Balsam and Ointment)
Vogeler, Chas. A., Co.

PEPPERMINT OILS
Bush, W. J., & Co.
Ransom, W., & Son
Stevenson & Howell

PEPSIN, &c.
Armour & Co.
Burroughs, Wellcome & Co.
Cerebos Limited (Pepsalla)
Fairchild Bros. & Foster
Newbery, F., & Sons (Ingluvin)
Parke, Davis & Co.
Stevenson, H. E., & Co.

PERFUMERY, FANCY SOAPS
Allen & Hanburys, Lim.
Ayrton & Saunders
Barclay & Sons, Lim.
Bleasdale, Lim.
Blondeau & Cie. | Boehm, F.
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co.
Bush, W. & J., & Co.
Carmichael, M. W.
Chesebrough Co.
Cook, E., & Co.
Corbyn, Stacey & Co.
Evans, Sons & Co.
Farina, J. M.
Gilbertson, H., & Sons, Lim.
Gillespie, F., & Co.
Greeff, R. W., & Co.
Hovenden & Sons
Lanoline
London Essence Co.
Lynch & Co., Lim.
Marshall's, Lim.
Mason, C. E., & Co.
Newbery F., & Sons (Berdoes)
Parkes, J., & Co.
Pears, A. & F., Lim.
Potter & Clarke (Sachets)
Roberts & Sheppey
Sainsbury, S.
Sanger, J., & Sons
Schutze, F., & Co. [Co., Lim.
Sharp Bros. Soap & Perfumery
Sinclair, Jas., & Son
Tidman & Son | Treatt, R. C.
Van Oppen & Co.
Vigo, Jules, & Co., Lim.
West, T. (Okell's Mona)
Wright, Layman & Umney

PEROX. OF HYDR.
May & Baker, Lim.
Robbins & Co.
Sanitas Co., Lim.
Tyrer, T., & Co., Lim

PESSARIES
Rendell, W.

PTRLEUM JELLY, &c.
Allen & Hanburys
Christy, T., & Co.
Dee Oil Co., Lim.
Haller, G., & Co.
Snowdon, Sons, & Co., Ld. (Jelly)
Stern Bros.

PHARM. PREPS.
Allen & Hanburys
Allison, Johnson & Forster, Ld.
Armour & Co. | Baiss Bros.
Barron, Harveys & Co.
Boehm, Fredk.
Boehringer, C. F., & Sohns
British Somotose Co., Lim.
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co
Davies, Gibbins & Co.
Duncan, Flockhart & Co.
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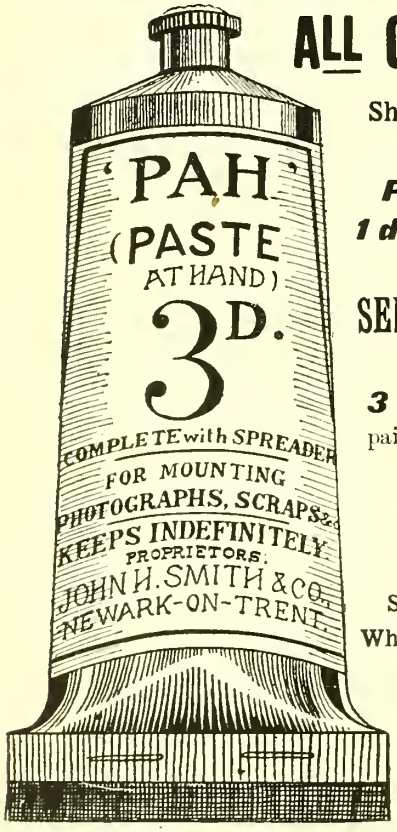

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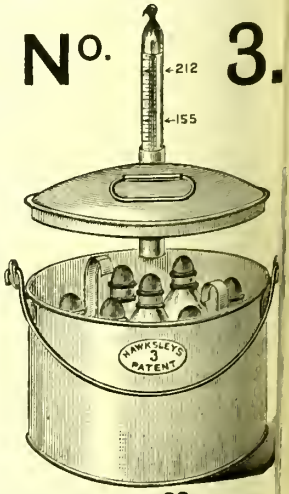

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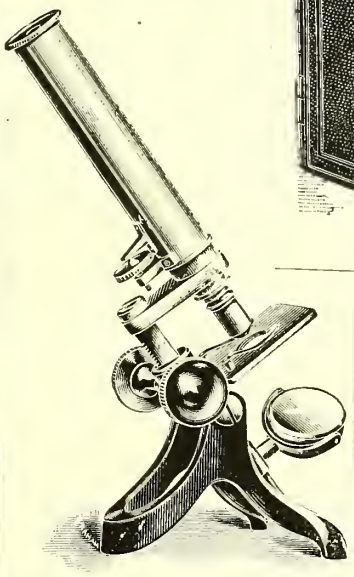

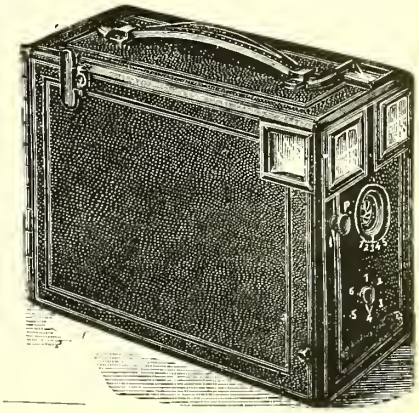

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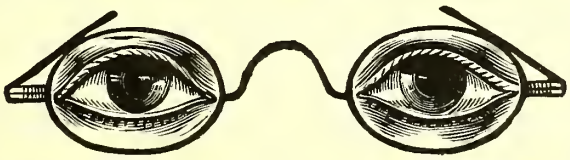

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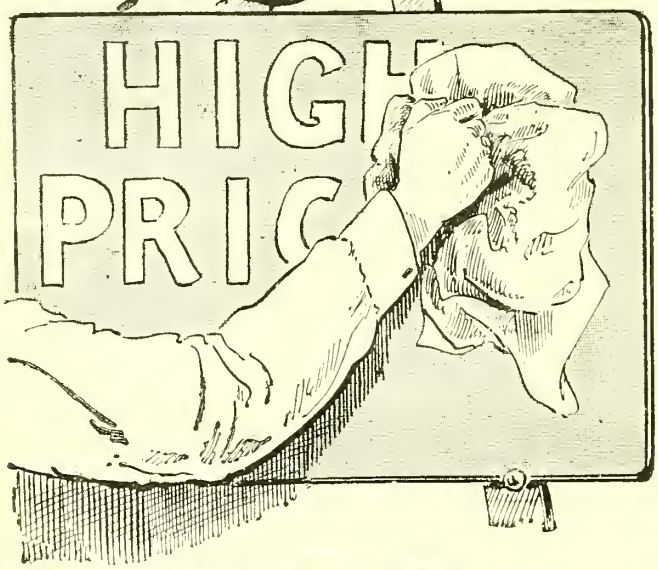

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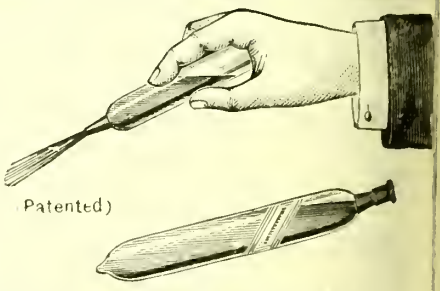

See references in the Winter Number of THE CHEMIST AND DRUGGIST, January 28th, to the Editorial Notices in
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See pp. 72 to 75, Winter Issue, 1898; also Diary 1899, pp. 554, 555, 556, 557.

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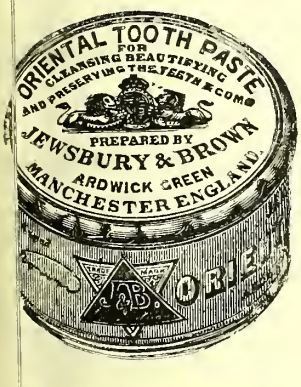

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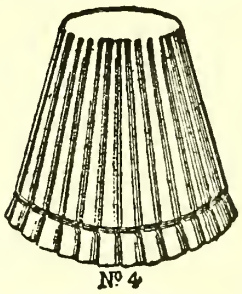

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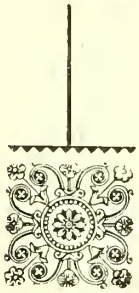

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IRISH SUPPLEMENT TO THE CHEMIST AND DRUGGIST

HIRD YEAR. SATURDAY, MAY 6, 1899. No. 29.

Review of the Month.

MPANY-PHARMACY is still the most prominent subject at present in the pharmaceutical world, and has been rered more conspicuous by the introduction of a Pharma Bill into the House of Lords by the Lord Chancellor, in ich it is proposed "to allow a company to carry on the bu ess of a chemist or druggist on the condition that the employ a duly-qualified manager or assistant." At the sa time, a Bill was introduced to make it unlawful for a co any to carry on the profession or business of a ph cian, surgeon, dentist, or midwife. The Pharmacy Bill do not apply to Ireland, but involves principles which ph nacists in the "sister isle" cannot but unite with their En ish brethren in condemning.

* * * *

. R J. Downes expressed the following views in a letter to e *C. & D.* on the Bills being brought to his notice:— "O the Bills introduced by the Lord Chancellor that pr cting the medical profession was expected, but it was ho d that it could be amended to at least cover the profes- sio of pharmacy.

t the one empowering limited companies to carry on the bu ess and use the description of pharmaceutical chemist or emist and druggist without condition except that it be onducted by a registered pharmaceutical chemist or ch ist and druggist is so bold that one can hardly believe it seriously intended.

hat the Irish pharmacist is to expect or how he is aff ed is not clear, as this Bill purports to be an amendment of Pharmacy Act, 1868, but it has not a clause confining it Great Britain, as is usual in Bills affecting only that po on of the United Kingdom. One thing is clear: it does no emove the scandal in law on which the Pharmaceutical So ty of Ireland have based their plea and contention.

e incriminated person may still be covered by a company, an he worst feature is that the Jews will have no dealings wi the Samaritans."

* * * *

the House of Commons on March 27, Mr. P. O'Brien, for Mr Carew, asked the Attorney-General for Ireland whether he ad received a copy of the resolution adopted by the Co oration of Dublin on March 20, calling attention to the pr ice of persons incriminated and fined for a breach of th harmacy laws continuing under cover of the Companies Ac to keep open shop in contravention of the statutes which required that the person keeping open shop should be qualified by examination, &c.; and whether the Government would introduce a Bill to amend the Companies Act so as to prevent the continuance of such breaches of the law. The Attorney-General replied that he had received a resolution to the effect mentioned, and to the further effect that the Companies Act should be amended so as to prevent a company of which any of the members were not qualified as apothecaries from carrying on the trade or business of apothecaries. These were matters which would appear to call for consideration when any amendment of the law is proposed affecting Great Britain and Ireland as a whole. He could not undertake to say that the Government would introduce legislation in the direction suggested.

* * * *

The Doctor Bland Company (Limited) has been registered in Dublin quite recently. It proposes to carry on the professions and businesses of medical doctors, physicians, surgeons, apothecaries, pharmaceutical chemists, midwives, and druggists, perhaps with the object of providing an object-lesson for those interested in the Lord Chancellor's Companies (Medical Profession) Bill. It, at any rate, helps to show how inextricably mixed together are the various professions named. It would seem, from the names and occupations of the subscribers to the company, that it is pharmaceutical chemists generally who are going to run "Doctor Bland." It will be interesting to watch the development of this company; but it suggests that, if the Lord Chancellor's Bill should not get enacted, a capital method of securing the co-operation of the medical body with pharmacists in the anti-company crusade would be for chemists to float a large number of "Doctor Bland" companies all over the kingdom.

* * * *

During the last month No. 1001 of THE CHEMIST AND DRUGGIST was published, and the series of books for chemists further enlarged by the addition of "Practical Methods of Urine-analysis," just the book for a chemist who wants to work up a practical knowledge of this subject. It is sold at 1*s.* 6*d.*, by post 1*s.* 8*d.*, and is obtainable from the wholesale houses who stock our books A new edition of Dodds' "Guide to the Preliminary Examinations" is also ready, price 2*s.* 6*d.*, by post 2*s.* 9*d*, and it is intended to issue during the present month a new edition of Proctor's "Manual of Pharmaceutical Testing" brought into line with the new Pharmacopœia.

A

Pharmaceutical Society of Ireland.

I. Council Meeting.

THE monthly meeting of the Council was held on April 5 at 67 Lower Mount Street, Dublin. Present: Mr. R. J. Downes (President), Mr. Beggs (Vice-President), Mr. Grindley (Treasurer), Messrs. Bernard, Kelly, Michie, Porter, Wells, Professor Tichborne, and Dr. Walsh.

An Unqualified Poison-vendor.

The President read a letter from Sergeant Narrell, R.I.C., stating that at Moville Petty Sessions he summoned William Carlon for unlawfully selling poison (rat-poison) and for keeping open shop for the sale of poisons. The Magistrates fined the defendant 5*l.*; but recommended that the fine be remitted.

The Privy Council Reject a Proposal.

A letter from the Privy Council Office stated that the Lord Lieutenant and Privy Council declined to approve of a resolution of the Council amending the regulation which relates to the botany and materia-medica courses by requiring that students who relied on attendance at schools outside that of the Society should produce certificates of having attended a course of twenty lectures in each subject of one hour each during three months.

In the discussion that followed it was thought that under the circumstances the Council had better cease to recognise any other schools than their own.

On the motion of Mr. Bernard, seconded by Dr. Walsh, it was ordered that the correspondence with the Privy Council relative to the amendment should be brought under the notice of Sir George Duffey.

Another Fine Reduced.

A letter from the Under-Secretary, Dublin Castle, intimated that the Lord Lieutenant had been pleased to reduce a fine of 5*l*, which had been imposed on John O'Meara, of Killimor, for selling carbolic acid in an unlabelled bottle, to 2*l*.

The Council and the Constabulary.

A letter from the Inspector-General of the Royal Irish Constabulary requested the Council to make communications to the constabulary to the superior officers of the district and not to subordinate members of the force.

Mr. Wells pointed out that section 16 of the Pharmacy (Ireland) Amendment Act of 1890 directed that the Registrar of the Council should send copies of their registers to the inspectors of weights and measures in each constabulary district. When sergeants of constabulary were appointed inspectors of weights and measures their superior constabulary officers had no control over them.

The Lord Chancellor's Bills.

A letter from the Secretary of the Lord Chancellor of England acknowledged the receipt of a communication from the Council on the subject of the abuse of the Companies Acts by unqualified persons.

The President said he received from the Editor of The Chemist and Druggist copies of two Bills which had been introduced in the House of Lords by the Lord Chancellor the day after the Bills were printed. Having read the Bills, as well as the memorandum preceding the Pharmacy Bill, to the Council, he said, with regard to the statement that a "company" could not pass an examination, a firm could do so, and he (the President) maintained that a "company" could in the same way that a "firm" could.

A long discussion followed, in which the opinion was expressed that although the Bill only referred to England, it contained a principle opposed to the best interests of pharmacy. It was decided to obtain an interview with Sir James Haslett in reference to organising opposition.

Irish Councils on Company-pharmacy.

A letter from the Town Clerk of Dublin enclose he following resolution, which had been passed by the Mun al Council on March 20:—

That this Corporation, having read the complaint of the ar maceutical Society of Ireland, and the correspondence in st ort of it, we affirm that it is a scandal that persons incrim ed and fined for a breach of the pharmacy laws may, under co of the Companies Act, continue to "keep open shop" in contrav on of the statutes, which require that the person keeping ope op shall be qualified by examination, and that "protected co al" should have powers and privileges in excess of what th di viduals have of trading as a firm. And we are of opinion t in any amendment of the Companies Act it should be define hat persons may not be incorporated to pursue a calling or use les which they may not, as individuals or as a firm, follow o ess. And that a copy of this resolution be sent to the Lord Lieut nt, Lord Chancellor, and Attorney-General in Ireland; and the President of the Board of Trade, the Lord Chancellor, a Mr Balfour in England; and also to our city representati in Parliament.

The Registrar said letters had been received showin hat similar views had been adopted by the Blackrock (D in) Urban District Council, the Drumcondra and Clonliffe an Council, the Carlow Urban Council, and the Carrick-o nir Council.

Dublin Corporation on the Sale of Poison

The Public Health Committee of the Dublin Corpo ion at a subsequent meeting resolved, on the suggestion Sir Charles Cameron, to forward to the Premier, in vi of further legislation, the recommendations (*C. & D.*, Augu 27, 1898) as to the sale of poisons, contained in the paper Mr. R. J. Downes, read before the Public Health Congress.

Revolt of the Assistants.

A letter from the Irish "Pharmacists' Assistants' As ia tion," in reply to a remonstrance from the Council as t he use by that Association of the title "Irish Pharm st Association," stated that they "failed to see anything ia leading in the use by them of that title, and that the lid not consider any explanation necessary." The lette was signed by the President and Hon. Secretary of the so ciation.

The President said he was surprised at the tone the letter, and he thought the Association should be inf ed that, if they persisted in using the title in questio the Council would have to reconsider their position to rds them.

The President's suggestion was approved of.

Are Preparations of Carbolic Acid Poisons

The Registrar read a correspondence relative t the introduction of certain preparations in a "Sale of P ons Registry-book" published by Mr. James W. Wilkins of Manchester. Messrs. McMaster, Hodgson & Co., of D lin, wrote to the President on March 23, objecting to the ro duction in part 2 of the list of "preparations of" ca olic acid. Mr. Wilkinson, they said, had informed them t it was the President who had supplied them with the list and the letter asked Mr. Downes by what authority he ma out the list, as in their view the order of the Privy C cil applied to phenol (carbolic acid) only. A letter om Messrs. J. & J. Haslett, druggists, of Belfast, point out that according to the calendar phenol only was sche led, and not its preparations, and asked the opinion the Council on the matter.

The President said the preparations he put into t list were carbolic acid lozenges, carbolic glycerin, carbol oil, carbolic lotion, and sheep-dips containing carbolic acid His impression was that any preparation containing free ca olic acid came under the specification of "carbolic acid," t if combined in soap it did not.

ter some discussion, it was ordered that the writers of th etters should be informed that the Courts had held that an preparation containing a proportion of any scheduled poon sufficient to cause death is a poison within the meiing of the Poisons Act.

her business, including reports, having been disposed of, thCouncil adjourned.

II. Evening Meetings.

THE PRESIDENT ON THE LORD CHANCELLOR.

April 3 the usual fortnightly meeting of the Society wa held. Mr. R. J. DOWNES (President) opened the proedings with some remarks on the Bills introduced intthe House of Lords by the Lord Chancellor. He saidsince their last meeting matters had developed in Parment in a fashion which it was impossible to anticipat The Lord High Chancellor of England had tabled twoBills for the acceptance of Parliament, exhibiting a thogh absence of principle or honour, on the one hand condding to a section what was justly demanded for the whc, and giving away the statutory rights of pharmaceutical emists and chemists and druggists. On this subject his inion was that the directors of a company being qua ed would not meet their case, and rather than accept thatt were better to have their Act repealed. He then pass on to the special subject for the evening.

POISON REGULATIONS.

In utting this question down for discussion the President said e had in view the probability of the Government bring g in again the Bill with which pharmacists were threned last Session, or something on similar lines. The fact at the Pharmaceutical Society of Great Britain, either out panic or good humour, or, perhaps, gratitude, had, after venty-eight years' resistance, at last adopted regulations hich were only applicable to themselves, while the drysser, dispensing doctor, and the public were entirely free, ought the question home. Should the Pharmaceutical ciety of Ireland encourage the imposition of similar bond e, or should they look for a measure providing more effectlly for the protection of the public against their own carel or reckless habits? So far as general caution could preva they had consistently adopted methods which would assist e public to guard against risks if the public would only cond their efforts. The pharmacist's sense of responsibilit was, in his opinion, the best guarantee the public could ave. Accidents mostly occurred, not through the drugg's carelessness, but through that of the public, and strongly contended that regulations to be effective rst be binding on the public. He refused to put ½ oz. sugar of lead into a quart whisky-bottle with a ½ pin f vinegar and filled up with water, for though he labell it "Poison" and gave a full caution, if an accident occurr he knew he would have to bear the censure of the Coron and the suspicion of carelessness.

Mr. CONNOR, Dr. MOWALTER, and others discussed the subjec but no resolution was adopted.

The st meeting of the session was held on April 24 the Presid t (Mr. R J. Downes) in the chair.

The inutes of the last meeting were read and confirmed. The fo wing letter from the Council of the Pharmaceutical Soci t of Ireland was read:—

DEA SIR,—In reply to your letter of December 8 last, I am di ted by the President and Council to say that—(1) Regard g *post-graduate course* they sympathise with the recommenda n, but consider that there is no available room. (2) *Books* be available for members only. Private catalogue of same t e kept by the Registrar. With regard to special glass case, t empty portions of existing glass cases are to be used. (3) *Re ing-room.*—They cannot see the necessity for same. (4) *Gymn um.*—This cannot on any account be considered.—I am, Sir, yo obedient servant, A. T. FERRALL, Registrar.—To the Secreta of the evening meetings of the Pharmaceutical Society

The RESIDENT said they had met that evening to close up the bu ness of the session. Up to a certain point the meetings had been a decided improvement on those of the previous year, particularly as regarded the lectures, which were of a better class, and conduced to a fuller attendance. On the whole they ought to be very well satisfied. There was one matter which he wished to emphasise. In sending out the circulars they were not always sent to the registered druggists, and some surprise was felt by those who received them, as they did not think they were entitled to attend the evening meetings. It was only accidentally that he learned there was any doubt as to the matter of attendance, as all subscribers to the Pharmacentical Society were, under the Act of Parliament, entitled to the privileges of members in so far as concerned the evening meetings. Associate druggists and licentiates of the Society were alike entitled to be present, and in support of his statement the President read the regulations dealing with the case, and said he alluded to the matter to make it clear that associate druggists are free to come to the fortnightly meetings.

Mr. JOHNSTON spoke of the doubtful advantages for registered druggists to come to a lecture on pharmacy, although there were registered druggists going in for pharmacy who knew more about galenicals than many qualified men.

Mr. O'CONNOR: If the subject is not of interest to them they will not attend.

The report of the evening meetings for the past session was then read and unanimously adopted.

Mr. JOHNSTON commented on the examinations of the Society, and said he would be glad to see the time when they would require a course of practical pharmacy for the Licence. He intended to bring the matter forward later on. He thought the Council should offer a prize of, say, 1*l.* value for the best essay on pharmacy up to date. A communication on

THE CHEMISTRY OF NITROGEN IODIDE,

by Mr. J. ARMSTEDT RAY, jun., B.A., M.P.S I., F.C.S., next followed. This paper, as well as the report of the evening meetings, was printed in full in THE CHEMIST AND DRUGGIST, April 29.

III. Examination Results.

The following were the successful candidates at the April examinations:—

Preliminary Examination.—The following have passed:—D. Henderson, W. H. Macaulev, W. J. White, J R J. Turner, I. R. Mackey, W. J. Maxwell. Nineteen candidates have been rejected.

Pharmaceutical Assistant Examination.—Mr. W. M. Scott has passed. Three candidates were rejected.

Registered Druggist Examination—Messrs. C. B. Hamilton, W. J Hamilton, M. McCabe, R. McCausland, T. H. Richardson, T. T. Soden, and T. Unsworth have passed. Five candidates were rejected.

Pharmaceutical Licence Examination.—Messrs. J. Hartrey, J. M. Torrens, S. V. O'Connor, W. Gibson, A. E. Pepper, and J. Kissane have passed. Six candidates were rejected.

The Irish School of Pharmacy.

'ARGUS," in the *C. & D.*, April 29, writes in regard to the Pharmaceutical Society's School of Pharmacy:—

We have heard a great deal of discussion at recent Council meetings about the recognition of certificates from other schools, and anyone might gather from these reports that the Society's own schools were models to be copied by the best teaching-institutions. On referring to the syllabus printed on the inside of the cover of the calendar, it will be seen that an elaborate scheme of instruction in chemistry is there arranged, the course comprising, among other items, "the making of gases, the typical processes of distillation, precipitation, sublimation, public-health chemistry, including Nesslerising, volumetric determination of the hardness of water, mode of detecting impurities in potable water, air-analysis, &c.," yet there are no suitable appliances at the school to carry out this scheme. This is, I think, the one vulnerable spot in the apparently impregnable fortress of Mount Street.

Irish Pharmacists' Assistants' Association.

THE annual dinner of this Association was held on April 5, in the Gresham Hotel, Dublin. Mr. Henry Hunt, M.P.S.I (President), occupied the chair, and to the right and left respectively were Mr. T. W. Robinson and Dr. J. C. McWalter. After dinner the Chairman proposed the toast of "The Pharmaceutical Society," and coupled therewith the name of Mr. T. W. Robinson, ex-Vice-President of that Society, who, he said, had been a staunch friend of the Assistants' Association since its inception four years ago. He understood the Society was interested in the higher education of pharmacists, and in that connection he was gratified to observe that it did not shut its eyes to the existence of the Assistants' Association as a useful auxiliary in raising the status of pharmacy. Mr. Downes had many difficult duties to perform as head of the Society, and had the happy knack of doing them with a maximum of success and a minimum of friction. Mr. Robinson the honorary Vice-President of their Association, had done the members a great honour in coming amongst them.

Mr. Robinson, in acknowledging the toast, deplored the absence of the President of the Pharmaceutical Society, than whom no one was more on the alert for the good of pharmacy and its followers. The present was an unrestful time for all He observed they were threatened with a new Bill which vitally affected their interests. It behoved every pharmacist with grit and energy to fight against it, and if they let the measure pass for want of making timely protest it would be an everlasting reproach.

The toast of "The Medical Profession" was responded to by Dr. McWalter, who spoke of the cordial relations that existed between pharmacists and physicians in Dublin. He regretted the tendency nowadays to exalt the commercial side of pharmacy at the expense of its higher branches. There was talk in the air about making new University degrees, and it would be wise of the Pharmaceutical Society to keep on the alert and endeavour to force its claim to academic recognition. Referring to the Lord Chancellor's Bill, he said he had reason to believe that a limited-liability company was in course of formation in Dublin for the practice of medicine and surgery.

The toasts of "Our Visitors" and "The Trade Press" followed, the latter toast being coupled with the name of THE CHEMIST AND DRUGGIST, London.

The following letter from the President of the I.P.A.A. appeared in the *C. & D.*, April 22:—

SIR,—I regret that it should be necessary to allude to such a trivial matter as the wording of some notices issued by the Irish Pharmacists' Assistants' Association, but such prominence has been given to the subject in the report of the last Council-meeting of the Pharmaceutical Society that some further information may be of interest. The title "Irish Pharmacists' Association" appeared on our first annual ball-programme a few years ago, and for the sake of brevity the programme for each annual ball and concert has been worded in the same manner. No comment was made upon the matter until our hon. secretary received a communication from the Registrar of the Pharmaceutical Society, as follows:—

Sir,—I am directed by the Council to request an explanation of the title on dance programmes and tickets, also of press-communications, as they consider the title misleading.

We have invariably treated the Council with courtesy and respect, and we still continue to do so; but we do not for a moment consider that they are constituted our censors, or that they have any right to demand an explanation in such a dictatorial manner. We have always received encouragement from a section of the Council; but I regret that this is the second occasion we have been compelled to defend ourselves from ungenerous and uncalled-for statements emanating from the Council-room.

Yours faithfully,
H. HUNT, M.P.S I.,
President, Irish Pharmacists' Assistants' Association.

Dublin Chemists' Federation.

THE quarterly general meeting of this Association was h on April 19, Dr. J. A. Walsh (President) in the ch Mr. J. SMITH (Hon. Secretary) read correspondence from Local Government Board and from certain Dublin hospi in reference to a resolution which had been sent to th concerning the free distribution of drugs and medicines, from Messrs. Burroughs, Wellcome & Co. in reference t motion which they had been informed was to be brou forward at this meeting respecting their firm. They sai was evident there was some misapprehension on the par the proposer. They believed they were the first firm in United Kingdom to actively aid chemists in stopping extravagant cutting of prices which was threatening t with serious injury. They could not expect entirely to s the tide of price-cutting, but it was well known that t increasing efforts in that direction had been remark y successful. Competition was a force encountered in ll professions and businesses, and they knew of no abso e security against it. The sale of poisons and dange s drugs was absolutely in the hands of chemists, and t ir products containing such substances were subject to e same regulations as all others. They were strongly in fa r of proper restrictions. They were and always had n earnestly desirous of assisting chemists by all practi le means to secure an adequate profit upon sales of their g s.

Dr. McWALTER moved his resolution, which was th e referred to by Messrs. Burroughs, Wellcome & Co.

Some exception was taken to the motion on the gr d that it savoured too much of "boycott." The PRESI T said they should go about the matter amicably.

Dr. McWALTER: Let us pass the resolution as I ve framed it, and we will run the fiery cross through he trade. He proceeded to give figures of railway-s, and said Beecham's tactics were straight in that they id plainly they would not do what did not commend itse to them.

Mr. WELLS: Beecham's will let their pills be sold a ny price. The Federation comes in, and will not allow the ds to be sold under a certain price. The discussion inc ed reference to Kepler extract of malt, the price obtain for which ranged from 1s 7d to 2s. per bottle.

The PRESIDENT said he knew of a firm of grocers whose monthly account for drugs exceeded that of the entire ag trade of Dublin for the same period. Now that the g ers were compounding prescriptions, it behoved chemists t ook sharply to their interests.

Mr. WELLS: Very few people go to the grocers for eir prescriptions.

Dr. McWALTER: Chemists have no business to c ge more than grocers. (Oh!) What we want is to mak ur- roughs, Wellcome & Co. stiffen their prices.

Mr. WELLS: What we should do is to write a nice le r to Burroughs, Wellcome & Co. pointing out the hardshi and asking for better terms. He was dead against substi on, and if asked for any special brand of goods he inv bly supplied it, but if no particular make was required or ked for he always gave his own preparations. "I al ys," added Mr. Wells amid laughter, "give the best unl an inferior article is asked for."

Dr. WALSH: Burroughs, Wellcome & Co. are all-po rful with the medical profession, and even the Local Gove ent Board recognise the firm's preparations. If he we n a country district he would keep himself well provide with Burroughs, Wellcome & Co.'s goods.

Eventually it was resolved, on the motion o Mr. WELLS—

That Messrs. Burroughs, Wellcome & Co. be written to th first instance that chemists have a grievance in that they on have a protected profit of not less than 25 per cent. on the od believing that they have it in their power to regulate pric

Mr. WELLS: And if they do not do something I I go the whole way with Dr. McWalter. We must get a ving profit on our sales.

The PRESIDENT referred to the prescribing of me lines in hospitals, and to the outgiving of prescription after which the proceedings terminated.

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Personal Paragraphs.

Dr. J. C. McWalter, M.P.S.I., has been chosen to represent the citizens of Dublin as a Guardian of the North City Ward.

Mr. James E. Brunker, L.P.S.I, Dublin, has been elected a member of the Select Vestry of the Mageough Church, Palmerston Park.

Sir Henry Cochrane, managing director of Messrs. Thacker & Hoffe, Dublin, has been elected a Poor-law Guardian for the East Ward, Bray.

Mr. Thomas W. Robinson, J.P., M.P.S.I., Kingstown, has been returned at the head of the poll as representative of the East Ward of the Township Poor-law Board.

Mr. William J. Baxter, M C.P.S.I., Chairman of the Coleraine Urban District Council, has been appointed a Justice of the Peace for the county of Londonderry.

Mr. Clay, solicitor to the Pharmaceutical Society, has been elected by a majority of two votes over Mr W. A. Maxwell, L.P.S.I., to represent Dalkey at the County Council.

The members of the Cork Dispensary Committee passed a resolution of thanks to Mr. McSwiney, L.P.S.I, their apothecary, for the faithful and efficient manner he has discharged his duties

Mr. J. S. Ashe, M.P.S.I., has been appointed by Sir George Duffey as assistant-demonstrator in materia medica and pharmacy to the Royal College of Physicians and Surgeons in Ireland.

Mr. Denis Enright, who has been for a number of years employed with Messrs. J. & G. Boyd, Limerick, has had his arm amputated in consequence of getting it crushed in some machinery.

Mr. Edward M. Hodgson, M.P.S.I., director of Hamilton, Long & Co. (Limited), Dublin, has been elected a member of the Select Vestry of Zion Church, Rathgar. He has also been returned at the head of the poll a County Councillor for Rathmines West district.

Dr. George Stoney has been presented by the Royal Dublin Society with the first Boyle gold medal for research in pure science in recognition of his services to science. The Boyle medal has been instituted in commemoration of the Hon. Robert Boyle, the well-known scientist.

Mr. G. D. Beggs, Vice-President of the Pharmaceutical Society of Ireland, has been presented with an illuminated address and a piano by the inhabitants of Dalkey, in recognition of his services as Hon. Secretary of the Dalkey Amusements Association for the past thirteen years. The presentation was made at the annual meeting of the Association.

Mr. J. E. O'Neill, druggist, Maghera, was returned at the head of the poll at the election for the Tubbermore division of the Londonderry County Council held on April 14. Mr. O'Neill is a prominent Nationalist, and his victory was celebrated by lighting tar-barrels and bonfires, the playing of the local bands, and incessant cheering. Mr. O'Neill has also been returned unopposed to the District Council for Tullykeeran.

Deaths.

Eccles.—At Belfast, on April 14, Mr. John James Eccles, chemist and druggist, late of Keady, co. Armagh. Aged 68.

Frazer.—Dr. Wm. Frazer, F.R.C S I., who died on April 14 at his residence in Harcourt Street, Dublin, was one of the Crown nominees to the Council of the Pharmaceutical Society of Ireland on its formation. In that connection his name is mentioned in the Pharmacy Act (Ireland), 1875. Dr. Frazer, in addition to the prominent position he occupied in the medical world, was an anthority on Irish archæology.

News of the Month.

Gold in Ireland.

During the last few days large quantities of stone imp nated with gold and silver have been found at Ogonne near Killaloe. A Government assessor has been sent to e locality to inquire into and report on the discovery.

Iodine-industry.

Professor Ryan, of Berlin University, has been visi g Galway, and was escorted by the Fellows and student f Queen's College in cap-and-gown procession to Clif , where he inspected the quality and quantity of the l , with a view to its utilisation in a new process of io making. The inspection is understood to have been s factory, and will result in a new industry being sta d shortly in the town.

Chemist's Lawsuit.

At the Ulster Assizes, on March 23, an action was bro t by Mr. B. Cunningham, L.P.S.I., 29 Dublin Road, Bel t, against Messrs. F. Creighton, builders, Belfast, to rec r damages for alleged trespass. The case was mentione n the *C. & D.*, March 4, page 359. It was alleged that e defendants entered the plaintiff's pharmacy and drew y large quantities of water, which compelled plaintiff to i r great expense in providing water for domestic and busi s purposes. The defence was a denial of the acts compla d of. The jury found a verdict for the defendants.

Examination Hall Injured.

On April 10 a fire broke out in the Examination ll of the Pharmaceutical Society of Ireland, Lower M t Street, Dublin. It is supposed that a lighted match th n on the floor smouldered unnoticed, so that when a p r entered the room later on he found the place filled b smoke and some of the woodwork of the windows cha d. A few buckets of water prevented the danger sprea g, and avoided what might have been a serious conflagati

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Pharmaceutical Society of N.S. Wales.
Pharmaceutical Society of Queensland.
Pharmaceutical Society of South Australia.
Pharmaceutical Society of Tasmania
Pharmaceutical Society of Western Australia.

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AMERICAN AND CANADIAN TRADE.

By "American" we mean the United States. The business-relations between that country and this are so good that several English firms connected with the drug-trade have during the past year opened branches in New York. Every firm cannot do that, but they can do the next best thing—viz., advertise in The Chemist and Druggist. Our issue for May 20 will be specially circulated to the best buyers of druggists' goods in Canada and the United States. The *C. & D.* Commissioner has been out there for nearly a year, and his reports to us emphasise the wisdom of the British houses pushing trade out there. Mr. Joseph Chamberlain says the same thing about Canada, and the Government of our oldest dependency is doing all that is possible to encourage inter-trading between Canada and Britain. Will our British drug and sundries houses do their part?

Summary.

New Store-prices are given on p. 717.

Dewsbury Chemists are polite to the *C. & D.* (p. 725).

For Cyanide-poisoning hydrogen peroxide is an excellent antidote (p. 720).

Preliminary Examination Candidates who passed are named on p. 750.

American Trade with the British Empire is more than half of the total business done (p. 732).

About 350 packages of asafetida were damaged in a fire at the London docks on Monday (p. 717).

The Financial Statement of the Pharmaceutical Society shows a loss of 840*l.* on the year (p. 725).

Vaccine-lymph cannot be supplied to medical practitioners by the Local Government Board at present (p. 733).

A Patent for a match rendered inflammable by acetylite of copper instead of by phosphorus is the subject of a lawsuit (p. 737).

The Best Seven candidates for the Pharmaceutical Council in the opinion of our postcard competitors are named on p. 732.

A Lady figures well in the Pereira-medal competition this year (p. 722), and a candidate whose experience is not so silvery writes a ballad about it (p. 733).

Two Hours in the Stocks or a farthing fine for selling a toothache-cure on the Lord's day seems an ancient punishment. It was a sentence at Stoke last week (p. 717).

Wireless Telegraphy, or etherial telegraphy, as Mr. Preece prefers to call it, is of limited applicability, and the Government is alive to possible developments (p. 736).

The New Preliminary Examination has been formulated by the British Pharmaceutical Board of Examiners, and the certificates to be accepted are mentioned on p. 721.

A Deputation from the London Chamber of Commerce has seen Mr. Long in regard to the Sale of Food and Drugs Bill, when Mr. C. Umney presented the views of the drug-trade (p. 740).

Alfred Nobel's Life was sketched in an interesting way by Mr. de Mosenthal, at Burlington House, on Monday night. We report the lecture and print a portrait of Mr. Nobel (p 724).

Victorium is the name of a new element which Sir William Crookes has isolated from yttria after twenty years' fractionation. This and other new scientific discoveries are reported on p. 742.

The Pharmacy Bill is opposed by *Truth*, whose caustic comments on the Lord Chancellor's action we reproduce. Colonel Brookfield, M.P., and a medical practitioner also write in regard to it (p. 741).

The Minor Examination should not be divided, according to the President of the Pharmaceutical Society, until a compulsory curriculum is obtained. Mr. Hills said this in a speech at Nottingham last week (p. 727).

Quiet Markets this week. Ipecacuanha, copper sulphate, mercurials, and quicksilver are dearer; quinine is a little bit better; and at Amsterdam, on Thursday, cinchona sold at the rate of 8.50c. per unit (p. 746).

Mr. Glyn-Jones announces his intention of moving a resolution at the annual meeting of the Pharmaceutical Society urging the General Medical Council to assist in ensuring that doctors' dispensers shall be qualified (p. 744).

The Pharmaceutical Council met on Wednesday, electing new honorary and corresponding members, approving a list of Preliminary examination certificates, awarding the Pereira medal and other prizes, and approving of the annual report (p. 721).

English News.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

Label-competition.

The following prize-winners have applied for their prizes:—

First prize, Mr. R Fenton, c/o Mr. F. W. Bates, Manchester, who is also the designer of the Buttermilk-lotion label.

Mr. J. W. Hornsby, Market Place, Pickering, gets a prize for the "Mollose" label.

The other prize-winners were mentioned on page 697 of last week's issue, and we would be glad if they would send their names and addresses.

Chelsea Physic-garden.

The new committee of management has now been fully constituted. The representatives appointed by the trustees of the London Parochial Charities are the Hon. Mrs. Evelyn Cecil, the Right Hon. Sir M. E. Grant Duff, Mr. W. Hayes Fisher, M.P., Mr. R. B. Litchfield, Mr. L. B. Sebastian, Sir Owen Roberts, Mr. Sidney Webb, the Rev. R. H. Hadden, and Mr. Evan Spicer. The Treasury has appointed Mr. A. B Freeman-Mitford, C.B., and the Lord President of the Council has appointed the Right Hon. Sir Herbert Maxwell, M.P. Dr. D. H. Scott, F.R.S., of Kew Gardens, is the representative of the Royal Society, and Professor S. H. Vines, F.R.S., of Oxford Botanic Gardens, of the Senate of London University. Mr. J. R. Upton has been appointed by the Society of Apothecaries, and Mr. Michael Carteighe by the Pharmaceutical Society. The Technical Education Board of the London County Council has, it is understood, selected Mr. T. A. Organ to represent the Council. Earl Cadogan, or any person to be delegated by him, is an *ex-officio* member of the committee, and Mr. H. Howard Batten, 3 Temple Gardens, Temple, E.C., is acting as Hon. Secretary to the garden.

L.C.C. Chemistry.

At the weekly meeting of the London County Council on May 2 the Main Drainage Committee submitted the estimates for the coming year, which included the following provision for chemicals:—Barking Outfall: 14,782 tons of lime, at 12*s.* 1*d.* per ton (including 600 tons for liquor-treatment), 8,930*l.*; 3,285 tons of iron, at 19*s.* 6*d.* per ton (including 300 tons for liquor-treatment), 3,205*l.*; total, 12,135*l.* Crossness Outfall: 9,000 tons of lime at, 11*s.* 11*d.* per ton, 5,365*l.*; 2,250 tons at 19*s.* 6*d.* per ton, 2,195*l.*; total, 7,560*l.* It was not proposed to make any provision for deodorising for the year 1899–1900, but there was a stock of chemicals at the outfalls and at Deptford as follows:—Manganate of soda, about 90 tons, at Barking; 132 tons at Crossness; and 22 tons at Deptford. Sulphuric acid, about 10 tons, in stock.

The Finance Committee estimated the following expenditure on wages in the Chemical Department:—The chemist, 700*l.*; two senior assistants at 400*l.* and 350*l.*, 750*l.*; one first-class assistant, 245*l.*; four second-class assistants (one at 162*l.* 10*s.* and three at 200*l.*), 762*l.* 10*s.*; one third-class assistant, 150*l.*; two fourth-class assistants, 190*l.*; and one laboratory-attendant, 57*l.* 4*s.*; total, 2,854*l.* 14*s.*

Laudanum Suspected, but Carbolic Found.

At Hyson Green, Nottingham, on April 26, an inquest was held concerning the death of Elizabeth Turner Daft, who died at the General Hospital on April 24. Edgar Moody, manager for Mr. Middleton, chemist, Southwell Road, said that he had known Mrs. Daft for the past five months, during which time she purchased laudanum at the rate of fourpennyworth a day. He sold her the laudanum produced. There was twopennyworth of laudanum in the bottle. The Coroner: If I took that quantity, what would happen to me? —Witness: It would poison you. Habitual laudanum-drinkers could, however, take twice or three times that amount. He saw deceased again at 5 o'clock, when he thought she was intoxicated. She would not say what was the matter with her, and he accordingly sent for a police officer, who took her to the hospital. Deceased, who was treated for opium-poisoning at the hospital, died in ten minutes after admission. A *post-mortem* revealed signs of carbolic acid, and the medical opinion was that carbolic acid was the cause of death. A verdict in accordance with that opinion was given.

Chemical-workers' Wages.

Two hundred and fifty saltcake men, employed at the Cheshire Chemical-works of Messrs. Bowman, Thompson & Co., Lostock, Northwich, have given notice of their intention to strike unless conceeded 4*d.* per ton on the manufacture of saltcake, and also an additional 6*d.* on each day's wage. They claim that some time ago, during the chemical-trade depression, they consented to a reduction in wages on the undertaking that when the trade improved they should return to the old rate. The employers asserted that prices were to-day lower than when the reduction was made, and so far all attempts at compromise have failed.

The Chemist's Boy.

In the House of Commons, on April 28, Sir John Gorst, in the course of his speech on the Education Estimates, referred to the large amount of labour which was customary among school-children, and which interfered with the success of their studies and with their health. Amongst the cases of excessive hours of employment he cited that of a boy of 12, in a chemist's shop in London, who worked seventy-eight hours a week for 5*s.* He thought it would be economical for the country to deliver that boy from those conditions.

Chemists' Porter Killed.

At Liverpool, on April 26, the City Coroner held an inquest into the circumstances attending the death of a man named Farrington, lately porter in the employment of Messrs. J. H. & S. Johnson, chemists and drysalters, Whitechapel, Liverpool. Deceased appeared at his work in an intoxicated state on April 2, and was ordered to go home. He, however, did not do so, and was arrested in an adjoining street and locked up. Next morning he was found in a fit on the floor of his cell, and was removed to the Workhouse Hospital, where he died from an injury to the brain, caused presumably by a fall from a bench in the cell. Accidental death was the verdict.

A Chemist's Overdose.

At Uttoxeter, on April 26, an inquest was held into the circumstances of the death of Henry Woodward, a retired chemist and druggist. Miss Charlesworth, who had acted as housekeeper to deceased for nearly ten years, said on April 24 she found deceased sitting in a chair breathing heavily. A doctor was sent for straightway, but Mr. Woodward died the same night. Deceased was in the habit of taking a little laudanum night and morning, but judging from the appearance of the bottle he did not seem to have taken more than usual. Dr. Fletcher deposed that deceased suffered from cardiac asthma, and witness was aware that he took laudanum and also smoked opium; but he had never prescribed it. Mr. T. Saunderson, who succeeded to the deceased's business, stated that he had supplied him with laudanum and powdered opium. A verdict of death by misadventure was returned.

To Prevent Another Explosion.

As a result of the recent fatal explosion of ether at the Workhouse Infirmary at Rochdale, by which two nurses lost their lives, the Board of Guardians has decided that in future smaller quantities of ether shall be purchased, and supplied in 1-lb. bottles. Cupboards are to be fixed in the infirmary, so as to save journeys to the surgery.

Too Much Cordial.

On April 25 an inquest was held at Ripley on the body of an infant 21 months old. The evidence showed that whilst the mother was asleep on the sofa the child got a bottle containing cordial from the table, and drank the contents. Soon after the child became unconscious and, in spite of medical aid, died the same evening. The jury returned a verdict of death by misadventure. The Coroner severely censured the mother for giving such vile stuff to

young children, and told her if she came before him again he should have to resort to extreme measures. Dr. Black said the cordial contained poison.

Embezzlement.

At Warrington Police Court on April 25, Herbert Grange was charged with embezzling various sums received by him on behalf of Messrs. J. Crosfield & Sons (Limited), soap-manufacturers, Warrington. Accused was traveller for the prosecutors in the Gainsborough and Lincoln districts, and the sums mentioned in the charge, which had been paid to prisoner by chemists and grocers in these districts, had not been accounted for. For the defence it was stated that the accused's commission was not accounted for regularly, and he had been absolutely driven to use collected accounts until his commission was made up, the commission now due to the prisoner being about 10*l.* or 12*l.* The Chairman said the frequent attempts to plunder Messrs. Crosfield & Sons on all sides was a very serious matter, and, in spite of certain redeeming features in the case, prisoner would be sentenced to one month's hard labour.

Lead-glazes.

A committee of pottery-manufacturers have prepared a reply to the recent report drawn up for the Home Secretary by Professors Thorpe and Oliver on the use of lead-glazes in pottery-making. The committee strongly dissent from the statement in the report that leadless glazes are obtainable of sufficient brilliancy and durability for the purposes required. They state that since Josiah Wedgwood's time there have been experiments in this direction, and many glazes brought forward, and in almost every case they have been abandoned after longer or shorter trial. They give the reasons for this, and suggest that the assistance of the Government Laboratory should be given in order to carry experiments further. The committee further suggest that a fair trial should be given to the regulations of 1898, and they agree that the time has come when the use of raw lead in glazes may be prohibited. They look forward with some degree of expectation to the use of fritted lead-compounds, and it is in regard to experiments with these that they desire the assistance of the Government Laboratories.

Down on the Quacks.

Durham County Council has framed a new by-law to deal with vendors of quack remedies and other goods, who infest towns in the county to the detriment of local tradesmen. The penalty for the offence is 5*l.*

To Protect Trade.

The chemists of St. Albans have combined with the other tradesmen of the city to form a Chamber of Commerce, the object of which will be to protect and promote trade interests. Mr. A. E. Ekins, the Herts County Analyst, has been appointed treasurer of the Chamber.

Necessity or Mercy?

At Stoke County Police Court, on April 28, eleven shopkeepers were summoned for having on the Lord's Day exercised certain worldly labour, business, and work after their ordinary calling not being a work of necessity or charity. The defendants included John Speakman, a herbalist, who stated that his Sunday business was a necessity, as he cured toothache on the premises. The Stipendiary (Mr. H. Wright): Do you say what you sell is a medicine? Defendant: Well, I stop toothache, and I think it is a case of necessity if anyone is suffering from toothache. The Stipendiary, who characterised the Act as unjust and unfair, fined each defendant $\frac{1}{4}$*d.*, or, in default, two hours in the stocks.

"Put-me-Right" Powders.

At the Manchester Assizes, on April 26, Geoffrey Goodier was convicted of obtaining money by false pretences in several ways, one of which was by advertising for a partner with 10*l.* capital to sell "Put-me-right" headache-powders. Particulars of the case appeared in our issue of March 18, page 445, and prisoner, who had several times previously been convicted of similar offences, was sentenced to three years' penal servitude.

Considered Impracticable.

At a meeting of the Newport Board of Guardians on May 1 a proposal to increase the salary of the medical officer from 45*l.* to 65*l.* per annum was discussed. The present rate of remuneration amounts to about 1*s.* 2*d.* per visit, and in addition the doctor has to supply the medicine. The doctor suggested that the Board should supply the drugs and medicines through the chemists of the town and district. This was considered impracticable by the Board, who also negatived the proposal to grant the doctor an extra 20*l.*

Flash-light powder Explodes.

At a photographic studio in Gosport, on May 1, preparations were being made to take a photograph by the flash-light, when the magnesium powder exploded, shattering the apartment. The photographer was burned about the face and hands, and it is feared he has lost the use of one eye.

Bottle-makers' Dispute.

The flint-glass bottle-makers and workmen employed at Messrs. Wood Brothers' Borough Flint-Glass Works, Barnsley, and at the works at Stairfoot, of Messrs. John Tomlinson & Co. (Limited) have given fourteen days' notice to leave their work. The dispute is purely a local one, and has to do with the hours of work. Usually arrangements are made in the glass-trade at the end of each year for the regulation of wages and working conditions. At the beginning of March the workmen of the two firms named gave notice that on and after April 1 they should require to cease work at 4.30 P.M., thus knocking off one hour per day. The employers carried on their works as usual, the men on their part carrying out their intention ceased work an hour earlier each day. The employers summoned the workmen for damages for neglect of work under the provisions of the Masters' and Servants' Act. The men, in reply to this, gave notice on Saturday. About 100 men are affected—70 at the Borough Flint-glass Works, and 30 with Messrs. Tomlinson & Co. (Limited).

Store-prices.

The following are given as alterations in the Army and Navy Stores price-list for May:—

Reductions.—Barff's boroglyceride, 3*s.* 11*d.* per bottle; sulphonal tabloids, 8½*d.* and 2*s.* per bottle; Hazeline suppositories (B. W. & Co.), 1*s.* 6*d.* per box; camphor, 1*s.* 10*d.* per lb.; cod-liver oil (Norwegian, new season's), 4*s.* 6*d.* per gal.; veterinary, 3*s.* 6*d.* per gal.; formalin lamps, 9*s.* each; sugar of milk, 11*d.* per 1-lb. tin; Harvey's zenaline, 2*s.* 8*d.* and 3*s.* 8*d.* per bottle.

Additions.—Byard's oil of eucalyptus, 1*s.* 3½*d.* per bottle; enema-cupboards, 2*s.* each; Price's glycerole of malt, 2*s.* and 3*s.* 4*d.* per bottle; effervescent tabloids (Carlsbad, Kissengen, seltzer, &c.), 8½*d.* per tube of twenty-five; Gnom milk-sterilisers, 10*s.* 6*d.*, 12*s.* 6*d.*, and 17*s.* each; Beetham's Lait Larola, 10*d.* and 2*s.* 1*d.* per bottle; Cleaver's sweet violets, 1*s.* 6*d.* and 3*s.* per bottle; Mackenzie's face-lotion, 2*s.* 11*d.* and 3*s.* 11*d.* per bottle; MacMahan's tooth-powder, 10½*d.* per bottle, 1*s.* 9*d.* and 6*s.* 3*d.* per tin.

Discontinued.—Saccharated pepsin.

Chemists' Assistants' Association.

A musical and social evening was indulged in by the members of this Association on April 27, the arrangements being under the able direction of Messrs. T. Morley Taylor and C. J. Strother. Songs were contributed by Messrs. C. Morley, S. Jamieson, A. Latreille, Strother, Everson, and F. Davis. Mr. T. Morley Taylor recited, and during the evening selections on the gramophone (lent for the occasion by Messrs. Douglas & Co.) were given by Mr. H. Hymans, Hon. Secretary. An enjoyable evening was spent.

Fire

By a fire which broke out on the East Quay of the London Docks on Monday all the asafetida stored there was damaged, especially by water. The whole of the asafetida in London is stored there, and about 350 cases out of 600 were damaged. Holders, who are insured, may have trouble in covering the loss, as the insurance companies insist upon the stuff being sold before they make good the loss. It may therefore be expected to be put up in auction for account of whom it may concern. Several of the parcels were on the point of shipment to the United States.

Holland's Extract-factory.

At the sale of the late Mr. W. Holland's property, at Market Deeping, Mr. J. G. Medcalf, the auctioneer, said that the essential-oil industry and medicinal-extract manufactory was the most valuable property in Market Deeping that had been brought under the hammer during the present age. The business, he stated, was originally started on a very small scale between sixty and seventy years ago. The late Mr. Holland's father was a medical practitioner at Market Deeping, and even at that date he had some of the present-day evils to contend with, and especially adulteration; and he therefore conceived the idea of manufacturing his own medicine, and commenced by erecting a copper in the open. As the experiment answered, it was continued for some time in a shed. The late Mr. Holland was then a very young man, and, seeing the result of his father's experiment—and no doubt bearing in mind the words of Shakespeare, "There is a tide in the affairs of man, which taken at the flood, leads on to fortune"—he seized his opportunity, with splendid results. He also stated that the vendors knew it would be necessary to have about 300 acres of land to carry on the business successfully, so the first eleven lots were submitted together, including a residence, an essential-oil distillery and medicinal-extract manufactory, and about 300 acres of land. The biddings commenced at 10,000*l*, and at 15 100*l*. the property was knocked down to Dr. Baker, Finsbury Circus, London. The rest of the sales were of cottages, land, and the like.

Cricket.

Burgoyne's C.C. played the Malden C.C. (Vinolia Soap Company) at Willesden Junction, on April 29. Result: Burgoynes, 103 for 5 (declared); Malden, 29. Jones, Ryley, and Burghes batted well for the winners, and Selwood did well with the ball.

Poisoned by Dandelion.

Last week a boy named Sellars, of King's Heath, Birmingham, ate a quantity of dandelion-flowers. He died as a consequence, the medical evidence showing that death was the result of irritant poison, which caused excessive vomiting.

Guardians and Lady Dispenser.

At the last meeting of the St. Saviour's (Southwark) Board of Guardians, the Dispensary Committee recommended the appointment of Miss Fanny Flood as dispenser to the Southern Relief District and Newington Workhouse, at a salary of 140*l*. Mr. Devereux opposed the appointment, as Miss Flood was not in need of the post, and it would be keeping out a man with full qualification. He thought the Board should use its power to stem the competition caused by the introduction of female labour. Mr. Finney said the conditions existing at Newington made the post an unfit one for a woman. Some discussion ensuing as to whether the best candidate had been selected, it was decided to make another selection by the whole Board.

St. Luke's Vestry and the Analyst.

Mr. Stokes, F.I.C., public analyst for St. Luke's, has sent a notice to the Sale of Food and Drugs Act inspectors of the parish, directing that they are not to submit to him more than twelve samples each per quarter, or thirty-six in all. The Public Health Committee, at their meeting on May 2, recommended the Vestry to instruct the Clerk to express to Mr. Stokes their surprise that he should have addressed his communication to the sanitary inspectors instead of to the committee, and that, further, bearing in mind the terms of his appointment, wherein he undertakes to analyse all samples sent him, they cannot recognise his right to limit the number. Mr. Runball, in moving this, said Mr. Stokes had first pointed out to the Vestry how the costs obtained in prosecutions of persons under the Food and Drugs Act more than paid his salary; then he asked for an increase of salary, which was not given; and now he was arranging his own work. The matter was very simple. If Mr. Stokes objected to his arrangement he could resign his appointment. The Vestry adopted the recommendation of the committee.

No Fraud.

We last week published in English news four paragraphs entitled "Alleged Frauds." Among these was a report of a case against the Prairie-powder Company, of 19 Borough High Street, who were prosecuted for an offence under the Lottery Act. The question involved was simply a legal one—namely, whether a method of advertisement adopted by the company was a trial of skill or merely a chance. The Magistrate thought the advertisement was illegal, and the company were fined. But no fraud was charged or proved against them, and we much regret that we should have inadvertently made it appear otherwise.

Irish News.

Business Changes.

Mr. J. E. Levis, pharmaceutical chemist, has opened a very handsome pharmacy in Skibbereen, which has been fitted-up by Messrs. Evans, Sons & Co., of Liverpool.

Messrs. Goldon & Co., Parsonstown, have had alterations and additions made to their shop-fittings. Messrs. Evans, Sons & Co., Liverpool, carried out the improvements.

Linseed-meal.

In the Dublin Police Courts on Saturday last, a shopkeeper named Strahan, of Dolphin's Barn, was fined 10*s*. and costs for selling linseed-cake meal as crushed linseed-meal, from which 22·87 per cent. of oil had been abstracted. The prosecution was instituted by the Corporation.

Character at Stake.

Dr. Michael O'Brien is being sued for slander by a shopkeeper of Miltown Malbay, County Clare, for having said (it is alleged) that the plaintiff sold carbolic acid, he not being authorised to do so. He asked the High Court last week to have the case remitted to the County-court Judge of Clare County, but the Court refused to accede to the application.

The Battle of the Baking-powders.

Last week, in the Vice-Chancellor's Court, Dublin, in the case of the Royal Baking-powder Company *v.* J. Young & Son, Belfast, an application was made on behalf of the defendants to have the action dismissed for want of prosecution. The plaintiffs had applied for an injunction against the defendants nominally, but really against Wright, Crossley & Co., of Liverpool, whose baking-powder was sold by the defendants. The action was dismissed.

Killed by Polish.

At an inquest held last week in Dublin, on the body of a baby, a singular accident which led to the fatality was revealed. It appeared that the child's nurse was examining a box of Globe polish when she let it fall accidentally. The baby's face was upturned, and it received the falling polish on its mouth, which was opened at the time. The turpentine with which the polish was mixed went down the infant's throat and killed it. Medical evidence having been given the Coroner said there was nothing to indicate the dangerous nature of the polish in question. The box bore no label to warn persons to use caution in not leaving it loosely about the house.

Poison-regulations Needed.

At Belfast, on April 29, an inquiry was held into the circumstances attending the death of a child named Wm. Clare, aged 1 year and 9 months. The mother of the deceased said that some time ago fever broke out in a house adjoining her own. In order to prevent the spreading of the disease she obtained some carbolic acid for disinfecting, a portion of which she used. The bottle containing the remaining portion was left in a corner of the bedroom, and the child found it and drank a portion of the contents. A doctor was called in, but the child died next morning. The Coroner, in addressing the jury, said that half the poisoning cases occurred in a similar manner, and suggested that many of these accidents would be prevented if a ribbed poison-bottle or bottle of distinctive shape and colour were used. The jury,

returning a verdict of poisoning by misadventure, said ey considered that poisonons medicines should be dis- ensed by chemists in bottles of a distinct construction, oth in colour and shape, and requestedthe Coroner to bring e matter under the notice of the Home Secretary.

The Sale of Laudanum.

Supplementing the letter sent to the Dublin newspaper- ess by the President of the Pharmaceutical Society of eland, on the strictures passed upon Mr. P. Merrin's estab- hment by the Coroner and jury in the laudanum-poisoning se reported in last week's issue, a further letter appeared the *Daily Express* of April 20 from Mr. Merrin himself. that communication Mr. Merrin drew attention to the quirements of the Poisons Act as regards the sale of udanum, and showed that in his precautions he had ceeded what was actually requisite. In addition to label- g the article with the name of the article, the word Poison," and the name and address of the seller, the dosage s given, which was 10 minims under the B.P. official dose, d a footnote to the label stated that laudanum was ngerous to children. Moreover, a verbal caution was ven. Mr. Merrin complained that neither his manager nor mself was informed of the time of the inquest, or one of em might have attended and explained the poison-law to e jury. Furthermore, when the sergeant called at his tablishment about the sale, he interviewed his manager d neither mentioned poison-book nor entry, or he would ve been put right on that point at once, and his manager ote his name on a piece of paper and handed it to the geant, believing that he would receive some intimation of e inquest.

Scotch News.

cal newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

Golf.

The return match between six golfers representing phar- cy in Glasgow and six members of the Edinburgh District emists' Golf Club was played at Troon on April 27. Two nds (36 holes) were played, and resulted in favour of the inburgh players by 16 holes :—

Glasgow		*Edinburgh*	
W. L. Currie	0	Mr. D. N. Wylie	1
R. McAdam	1	Mr. G. Lunan	0
G. Macdonald	0	Mr. J. G. Anderson... ...	10
G. Robertson	0	Mr. G. Robertson	15
A. McAdam	12	Mr. H. D. Alexander ...	0
J. Moir	0	Mr. W. B. Cowie	3
	13		29

he first tie in the hole-and-hole competition resulted as ows :—

Mr. H. D. Alexander beat Mr. J. Prentice.
Mr. G. Robertson beat Mr. D. N. Wylie.
Mr. S. R. Wood beat Mr. C. F. Henry.
Mr. J. Bowman, jun., beat Mr. W. B. Cowie.
Mr. J. Stott beat Mr. A. G. Bruce.
Mr. J. Bowman beat Mr. W. Swan.
Mr. W. C. Baker beat Mr. J. Morison.

e following gentlemen had each a walk-over, their onents having scratched to them :—Messrs. A. W. Wilson, Lunan, A. Sharp, W. Lyon, G. B. Laing, W. H. Whellans, G. Anderson, George Senter, J. W. Carmichael, R. W. n, and T. Miller.

ERMANY'S SOAP-TRADE IS INCREASING.—The latest rns, covering 1898, show that household-soap valued at 0,000m. was exported in that year, or 600,000m. worth e than in 1897. Increases were noted in the exports all European countries, especially Great Britain, which in 1898 10,141 centners (=230 lbs.), against 8 726 tners in 1897. The trade with the East is also increasing, well as the exports of perfumed toilet-soap—8,900,000m. alue in 1898, or nearly a million in excess of 1897.

French News.

(From our Paris Correspondent.)

WEIGHTS AND MEASURES.—In spite of the fact that the metric system of weights and measures has been in use in France for a century, and can be enforced by the persuasive aid of the law, many pharmaciens continue to publish in their price-lists the old weights, such as ounces, pounds, &c., principally because their clients maintain the habit of ordering by these weights, just as a cook buys meat and butter by the pound. The Paris Inspector of Weights and Measures has recently written to the President of the Seine Pharmacists' Syndicate drawing attention to this state of things. He says that the old system has been illegal since 1837, and that each catalogue or price-list using it is liable to confiscation and a fine of 12f. for each copy. The Inspector adds that before taking extreme steps he desires to give a preliminary warning. He admits that pharmacists only conform to the habits of their customers, but thinks it regrettable that intellectual men like pharmacists should assist in perpetuating illegal practices.

PARIS SOCIETY OF PHARMACY.—At the last meeting of this Society the President (M. Leidié) made a suitable reference to the loss they had sustained by the death of M. Grignon, who was elected a member in 1885. M. Bourquelot read a paper giving researches made by M. Lépinois on "The Use of Cold in the Preparation of Animal Extracts," in which the author insists on the advantages the concentration of extractive solutions presents by congealation for the preparation of animal extracts. Several speakers referred to researches in the same connection by MM. Busquet, Vée, and Adrian. M. Harlay sent his experiences regarding pepsin and pancreatin, and M. Rœser, pharmacien-major at Tunis, contributed a paper on "Locusts as an Article of Food." M. Guichard seems to have been impressed by the recent Anti-alcohol Congress held in Paris. He read a paper to the Society on "The Abuse of Alcohol in Medicine and Pharmacy." He contested the alleged advantages of alcohol, and expressed the opinion that it would be advisable to diminish the proportion of it prescribed in the Codex. He thought there was a great abuse of tinctures, medicinal wines, elixirs, &c., in medicine. A discussion of the revision of the Codex brought the meeting to a close.

PHARMACISTS AS TRADESMEN.—A pharmacist, M. Pequard, sued an assistant before the Justice of the Peace for the restitution of a sum of 140f., which it was alleged had been paid in excess of his salary and commission. The defendant claimed that the Justice of the Peace had not jurisdiction, and that the Tribunal of Commerce was alone competent to try the case. The Magistrate ruled as follows: "A tradesman is one who is habitually engaged in commercial transactions. The Court of Cassation has decided that the pharmacist should not be reputed a tradesman, for the reason that he is submitted by law to conditions of capacity, and that he has been instituted in the public interest to prepare and sell chemical compositions or medicines under the guarantee of his knowledge and experience. In opposition to this decision it is shown that the plaintiff, as pharmacist, figures as an assistant judge of the Tribunal of Commerce of Verdun. If, however, under these conditions there is reason for admitting that the pharmacist is a tradesman, this should only apply to the pharmacist as proprietor of the *officine* or shop, who sells or causes medicines to be sold for his account. The pharmacist's assistant is in no way a tradesman, although he may, in addition to his salary, receive a commission on business transacted." The Justice of the Peace consequently claimed jurisdiction, and the case proceeded. The point has been variously decided in different courts, and is likely to remain nebulous, as the amount at issue in such cases does not make it worth while to carry the matter to the High Court.

DEATH FROM STROPHANTHUS.—It is reported from Germany that a man of 47, who was taking tincture of strophanthus for a heart-trouble, took equal to 2 oz. of the tincture (sufficient for six days), and in spite of every medical assistance the man died four days after.

South African News.

(*From our Correspondents.*)

The Grahamstown Exhibition has not paid the promoters, and there will be a further call on the guarantors.

Chemical Trade in the Transvaal.—The Chemical and Technical Trading Company (Limited), of Mannheim, have opened a branch at Johannesburg, with Mr. Otto Herlich as managing director. Mr. Hugo Lorenz, Idol Lane, E.C., is the London agent.

New Cape Doctors.—The following were registered last month as medical practitioners in Cape Colony:—Arthur Dunley Jones, M.R.C.S., L.R.C.P., formerly Government surgeon at Enkeldoorn, Rhodesia; William R. Mathews, M.R.C.S., L.R.C.P., formerly police surgeon at Salisbury, Rhodesia; and Dr. Ernst Simon, who holds a German qualification.

Frozen Milk is the latest thing in South Africa. It finds a ready sale in the Transvaal. It is better than the local milk. The Rand Milk Company purchases the milk in Victoria, where it is frozen after a little preservative is added, then it is hermetically sealed by Government officials in tins, about 18 inches square, shipped to Durban and placed in the cold-storage works, transferred to Johannesburg in refrigerator-cars as required, thawed at Rosettenville, and delivered.

Transvaal Pharmacy.—The Johannesburg newspapers for the first week in April (for copies of which we are indebted to several subscribers out there) contain paragraphs and letters about the recent deputation to the Secretary of State Reitz, to which we referred last week. None of these contain new information, except that one or two correspondents throw out dark hints about a certain member of the deputation, thus indicating either jealousy or want of unity, which may well be got rid of as quickly as possible in view of the new Act which is likely to be obtained. The draft had not been completed when the mail left, but we understand that the P.S.S.A.R. are taking the Cape Pharmacy Act as the basis.

More Chemists for the Transvaal.—A correspondent of the *Star* states that "a large number of chemists have been examined of late by the Board in Pretoria and duly registered as being qualified to practise. Impending legislation is supposed to have been responsible for this unusual rush of candidates, anxious to be placed on the State roll of qualified chemists. The fee required to be paid before obtaining a Pretoria diploma of competency is 12*l.* 10*s*, and the raising of the necessary amount is regarded by many as the most difficult and trying part of the ordeal. Once the cash is raised, the rest of the business is simple and easy." This is funny, but bunkum. One candidate only (we are assured on excellent authority) has been examined.

Antidote to Cyanide-poisoning.—Dr. J. Loevy, of Johannesburg, writes to the *Journal of the Chemical and Metallurgical Society* regarding the comparative rarity of poisoning with potassium cyanide in gold-mining works in the Transvaal, and calls attention to the importance of Kobert's observation that cyanide-fatalities are due to the hydrocyanic acid depriving the red blood-corpuscles of their power to carry oxygen—a theory which Dr. Loevy confirms from personal experience, as in September, 1894, he was himself almost a victim of cyanide-poisoning. Practical experience shows that subcutaneous injection of 2-per-cent. solution of peroxide of hydrogen is an almost infallible means of counteracting this effect of cyanide, provided the injection is made immediately or very shortly after the introduction of the poison. Lately several cases have been reported in Germany where lives have been saved by this method of treating cyanide-poisoning. Dr. Loevy, therefore, recommends that wherever cyanide-plant is in use there should be at hand a quantity of pure peroxide of hydrogen, distilled water, and a hypodermic syringe should be kept in every cyanide-plant, and all workmen on the plant should be made acquainted with the method of preparing a solution of the required strength, and of injecting it subcutaneously. Dr. Loevy recommends pure hydrogen peroxide, and although this is obtainable it is expensive, and we fancy the commercial solution 10 vols. would do quite as well.

Colonial and Foreign News.

Glauber's Salt intended for Denmark must, in future not only pay the duty, but have no action on red and blue litmus paper.

New Lamps for Old.—Mr. V. E. Nepos, of Messrs. Smith, Stanistreet & Co., chemists, Calcutta, has applied for an Indian patent "for the conversion of explosive lamps into economical safety-lamps."

Personal.—Mr. A. C. Stallman, son of Mr. J. H. Stallman, of Stallman & Fulton, New York, and Mr. C. B. Martin of the New York office of Meyer Brothers' Drug Company have gone into partnership as drug-brokers in New York.

Mahalla Estate Mortgage.—Messrs. Widenmann Broicher & Co., 53 Lime Street, E.C., have filed a plaint in the District Court of Colombo by which they sue Mr. Edmund Smyth, of Mahalla estate, Kegalle, for the recovery of 43,662,00r., the principal and interest due on three mortgage-bonds on Mahalla estate, Kegalle, dated April 13, 1888, December 11, 1890, and October 13, 1893. The principal was originally 20,000r.

Chemists' Assistants in India.—Some correspondence has appeared in the *Englishman*, of Calcutta, in reference to chemists' assistants "Proprietor," in the first place, sent to that paper an indictment of chemists' assistants generally and of qualified assistants particularly, which first appeared in this journal. A spirited reply to the charges was published in the *Englishman*, of April 4, over the signature of E. William Harper, pharmaceutical chemist, of Calcutta.

Pharmacy Legislation.—The New York Shorter Hours Bill for drug-clerks has been passed by the Senate, to whom it was sent back for amendment after being passed by the Assembly. It was signed by Mayor Van Wyck on April 21 and goes into effect at once. The Bill introduced into the Assembly by Mr. Mazet to amend that section of the Greater New York Charter constituting the present pharmacy law has been passed. It defines more clearly the duties and powers of the Board of Pharmacy, and authorises the inspection of pharmacies in the city.

Methylated Spirit in Madras.—Owing to the increase of methylated-spirit drinking amongst the native population of Madras, the Abkari authorities have framed new regulations, which came into force in the beginning of April. These fix the total quantity which can be removed from the Custom-house by dealers at any one time to not more than 100 gals., and the quantity which they may sell to one person at one time to not more than 1 gal. The dealers consider these regulations, especially the first, to be hard upon them, as they practically limit their purchases of European spirit to 100 gals. at a time, so that they will be unable, henceforth, to get the best terms. They have accordingly memorialised the Government to modify the regulations somewhat.

Commercial Education in Japan.—A full and interesting report on this subject by Mr. A. H. Lay, Assistant Japanese Secretary at Tokio, has been issued by the Foreign Office this week. In 1872 educational laws were made in Japan for the organisation of commercial schools, but it was not until 1875 that such schools were founded in Tokio. Since that time they have gone on rapidly increasing in number in the more important towns, and in 1896 there were forty-one public and eight private elementary schools in which commercial training was given, in addition to the regular commercial schools under Government subsidy. They are divided into two classes, higher and lower. The former appear to be exactly like the business colleges of the United States—premises fitted up like offices, goods represented by documents, transactions of all kinds done, and the language spoken English. Mr. Lay thinks the education altogether too theoretical, which feeling is universal amongst commercial men who have watched the proceedings in business colleges, and is not necessarily correct. The majority of the students in the Japanese commercial schools are over twenty-three years of age, which is owing to the fact that Japanese boys remain longer at school than they do here.

Pharmaceutical Society of Great Britain.

COUNCIL MEETING.

HE meeting began with the election of members and stndent-associates, the said members including seven horary and three corresponding members.

The question as to what examination certificates will be cepted in place of the "First" examination which is to be blished next year, came up. The report and list of minations which will be recognised was made pnblic d caused a somewhat lengthy discussion.

Mr. Atkins gave some interesting particulars of two of t persons who received Benevolent Fund grants. The ormation as to what the Law and Parliamentary Comtee are doing to oppose the Pharmacy Bill were singularly agre, and the President's remarks, made with unusual rmth, took the form of an exhortation to their friends in t country not to be led away to their disadvantage by "responsible and self-constituted advisers." To this the cncillors solemnly said "Hear, hear."

The Society becomes possessed, through the generosity of M Carteighe, of a portrait of Mr. Chas. Dinneford, a founder o he Society, probably better known as the originator of a ctain proprietary medicine. Council prizes and scholarsps were awarded to four "Square" students. Mr. Ekin a Dr. W. Inglis Clark are to represent the Society on the Pmacopœia Committee of the General Medical Council. Rolutions from several local societies, breathing loyalty—a he Presideut put it—were read, they also asked that sps be taken to oppose the Pharmacy Bill. The annual rort and financial statement were lastly considered, and t former with many emendations was finally passed, tger with the financial statement signed by the auditors.

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he following members of the Council were present:—The Pident (Mr. Walter Hills), and Messrs. Allen, Atkins, Beson, Carteighe, Corder, Cross, Grose, Harrington, Harrisc Johnston, Martindale, Savory, Southall, Symes, Warren, a Young. The meeting began at 11.15, and, the minutes o he April meeting having been read and signed as cect,

he President said he was sorry to say that Mr. Newshne and Mr. Bottle were too nnwell to be present, and th Mr. Storrar had also written saying he was unable to bhere. Mr. Martindale occupied the vice-chair.

Elections.

here were 300 members and 27 student-associates elected, an 4 restorations to the register. Twenty-four persons we restored to their former status in the Society, as were als 3 student-associates.

e President then proposed that the following be eled

Honorary Members

of he Society:—Dr. E. Schmidt (Marburg), Dr. Max Fch (Berlin), Dr. Maxime Cornu (Paris), Professor Mcsan (Paris), Dr. Geo. Watt (Calcutta), and Dr. W. Wla (Belfast).

. Martindale said these names would add lustre to the already illustrious list. Two of them he had a persor acquaintance with—Professor Whitla, of Belfast, who he met at the Conferenoe last year, and found to be one who takes a keen interest in pharmacy and who well sers to make a connecting-link between medicine and phmacy; and Dr. Ernst Schmidt, a Privy Councillor of the Gean Empire, and whose work is the standard work on chistry for students in Germany.

. Symes said he thought that all who had met Dr. Wla at the Conference last year were impressed with the fac hat he was an enthusiastic pharmacist. He would like to add, lest it should be forgotten, that Dr. Whitla was the author of a good work on materia medica.

The resolntion was carried, after which it was proposed that the following be elected

Corresponding Members:—

Dr. R. T. Greshoff, Haarlem; Dr. Keir Cross, Zemba, British East Africa; Mr. R. T. Baker, Sydney, N.S.W.

Mr. Martindale said it was a good thing to have corresponding members to keep them in touch with foreign conntries and the colonies. They added credit to the body and gave useful information. Mr. Baker was the son of Mr. Baker, of Kew, and might be able to supply them with mnch useful information.

The three were then elected. The report of the

Executive of the North British Branch

was then mentioned. It was, the President said, a very satisfactory report, and their thanks were due to the Executive for the care and attention they bestowed upon the Society's affairs in Scotland. In moving that the report be received and entered on the minutes, he would say that it dealt with many matters of detail and snbjects which had, in some form or other, been previously published.

Mr. Carteighe eulogised the care which the Executive and also the Assistant-Secretary devoted to their affairs, the latter always going into much detail in his report.

The President expressed publicly his indebtedness to the Chairman of the Executive for the valuable work he rendered to the Society in the North, who was always within call of the office.

The report was received and entered on the minutes.

The New "Preliminary."

The report of the Joint Committee of the Boards of Examiners on the examinations to be recognised in lieu of the "First" examination was then presented. The following is an abstract of it:—

The Society's by-laws provide that after August, 1900, persons desiring to be registered as "apprentices or students" shall, in lieu of the "First" or Preliminary examination in general knowledge, be required to produce a certificate of having passed an examination in the following six subjects—viz, English, Latin, a modern foreign language, arithmetic, algebra, and Euclid—conducted by an examining body recognised by the Council of the Society, thus adding three entirely new subjects—viz., algebra, Euclid, and a modern foreign language. The committee does not consider it advisable to demand, at the outset, too high a standard of attainment, either in the pass-mark in individual subjects, or in the percentage of the total of marks required to be obtained in the aggregate.

The examinations for certificates condncted by the varions public bodies concerned with secondary education may be divided into two classes—"Senior" and "Junior." The former are intended for pupils who leave school over 16 years of age, and the latter for pnpils who, as a rule, leave school under that age.

The General Medical Conncil has hitherto accepted "Junior" examinations as satisfying their requirements; but it is now proposing to advance to the "Senior" grade, and has suggested that the College of Preceptors should establish a special examination for intending medical students, the standard of which shall be midway between that of the present Second Class and that of the First Class examination held by that body. The committee is of opinion, however, that it wonld not be advisable to recommend the adoption of a higher standard than that of the "Junior" examinations, in lieu of the present "First" examination.

In drawing np a list of examinations to be recognised, two main factors have to be taken into account—(1) The character and scope of the papers set in the varions subjects; (2) the proportion of marks required for passing (*a*) in individual snbjects, (*b*) in the examination as a whole.

With regard to the former, there appears to be some diversity of standard, but the character of the papers set for the Society's "First" examination is hardly equal to

that of the papers set for the great majority of these "Junior" examinations.

With regard to the proportion of marks required for passing in individual subjects, and in the whole examination, as compared with the standard of the Pharmaceutical Preliminary, there is less opportunity for comparison, as the necessary information is rarely found in published regulations or reports. The lowest pass-minimum in individual subjects at any of the public examinations at present recognised by the Society appears to be that published by the Irish Intermediate Education Board, which is 25 per cent., and there is no minimum aggregate required. The highest published minimum in individual subjects is found in the case of one of the Scotch examinations—that of the local examination conducted by the University of Aberdeen—where a minimum of 40 per cent. is required for the "Junior" grade, with no minimum aggregate, but a certificate for this examination can be obtained on passing in only two subjects. A comparison of the results of these various examinations shows that the higher minimum required in the case of some of them does not invariably imply a lower percentage of passes, and on the whole it may be inferred that a minimum of 30 per cent, with a considerably higher total of marks, would represent not too low a standard for a Preliminary examination.

The committee has come to the conclusion that it would not be advisable to attempt to discriminate too narrowly between the various examinations conducted by public bodies specially concerned with general secondary education which have hitherto been recognised by the Boards, but to recommend the inclusion of all examinations in the new list, and the omission of those that have been discontinued, or which necessarily imply the previous passing of one or other of the Preliminary examinations included in the list—such as a university degree.

Having regard to the increased scope of the examination proposed to be substituted for the "First" examination, the committee is of opinion that it would be undesirable at present to insist upon the six subjects of the examination being passed at one and the same examination. The committee, therefore, recommends that the following certificates be accepted, subject to the condition that the required subjects shall have been passed at not more than two examinations, and provided always that certificates which are accepted by the Scotch universities for registration as medical students be accepted.

Oxford University—Junior or Senior Local examinations, Responsions.

Cambridge University—Junior or Senior Local examinations, Higher Local examinations, Previous examination.

Durham University—Junior or Senior Local examinations, Preliminary examination for a Degree in Arts or Science.

London University—Matriculation examination.

Victoria University.—Entrance examination in Arts of the Faculty of Medicine, Preliminary examination.

Edinburgh University.—Junior or Senior Local examinations, Preliminary examination for Graduation in Medicine and Surgery and for Arts or Science.

Aberdeen University—Junior or Senior Local examinations, Preliminary in Medicine or Arts.

Glasgow University.—Preliminary in Medicine or Arts.

St. Andrews University.—Preliminary in Medicine or Arts.

Dublin University.—Public Entrance examinations.

Royal University of Ireland—Matriculation.

University of Wales—Matriculation Certificate.

Oxford and Cambridge Schools' Examining Board.—Higher or Lower Certificate.

Educational Institute of Scotland.—Preliminary Medical examination.

Intermediate Educational Board of Ireland—Senior, Middle, and Junior Certificates.

College of Preceptors.—Examination for First or Second Class Certificates.

Scotch Education Department.—Honours, First Grade and Lower Grade Leaving Certificates.

Certificates of having passed an examination of a legally constituted examining body not specified above may be submitted for the consideration of the Board of Examiners and approval of the Council. Each case will be considered on its merits.

Councillors' Comments.

The President said this matter had been under the consideration of the Board for some months past, and it was time to make public the lines which they proposed to adopt in registering certificates in lieu of the First examination. The report was of great interest, and was so full that he need add hardly anything to it. He would like to express his thanks to the sub-committee (Mr. Saul, Mr. Newsholme, Mr. Taylor, Professor J. Miller Thomson, Mr. Ewing, and Mr. Maben) who acted in the matter. They were also indebted to the Secretary of the College of Preceptors, who had supplied them with statistical information. One point he would like to call attention to was that it had been found expedient to provide that the subjects may be taken in not more than two examinations under one examining body. Their reasons for coming to this conclusion were not only that they should have a unanimous report, but that the demands should not be of too high a standard, or one which would create a dearth in the supply of possible aspirants to pharmacy. They thought it best to go slowly, as it was always possible to tighten up the conditions upon which the certificates were accepted. Personally, he (the President) thought they had done wisely in this, and under the conditions that will obtain in the future candidates must give evidence of a much more general and liberal education than they had done up to now; and he trusted that the result would be that in a few years those who came up for the qualifying examinations would pass in larger numbers than they do at the present time. It had been pointed out from several sources that the large proportion of failures at the qualifying examinations was due to the imperfect and poor character of the preliminary and general education of those who came up for it. He hoped that the new condition of things would have a very beneficial effect on the practice of pharmacy generally. There was one other thing he would like to call attention to, and that was the proviso that the certificates which are accepted by the Scotch universities for registration as medical students be accepted. In this case the student may have passed under more than one examining body; but they thought that as these universities take the responsibility of saying that a young man has sufficient education to allow him to enter the medical profession, it would be wise to accept their certificates, and, as it were, throw the onus on these Scotch universities that the students have satisfactorily passed the compulsory subjects enumerated in their list. The list was not a final one, but more of a working plan. They reserved the right of adding the examination of any other legally constituted examining body, not specified in the above, to their list. For instance, that very day, when he thought they had got unanimity of opinion as to what examinations should be accepted, he had had a call from a representative of the Welsh Central Board of Education in reference to the acceptance of their Senior and Junior certificates. As far as he could judge, they were an important body, and their certificates corresponded with those of the Scotch Education Department. They appeared to examine between six and seven thousand students a year, and had ninety-four secondary schools under their charge. He merely mentioned this to show that if this Board was able to convince them that their certificates came up to the standard, they would add their name to the list.

Mr. Martindale said the matter had been for some considerable time under the consideration of the Board of Examiners. The First examination had been of too low a standard; it was, in fact, little more than one in three R's, which was too low to enable a candidate to grasp the principles of chemistry and equations. The extension of the examination had been advocated by Mr. Atkins for years past; he himself did the same some years ago, when he advised the inclusion of Euclid algebra, and mathematics in the examination. They expected youths to know more in these days, and it was forty years since Lord Brougham mentioned that "the schoolmaster was abroad." In addition to the knowledge of mathematics they had added a modern language, either French or German, which would be of great help to pharmacists, who now travelled more than they did formerly. It was not necessary, as the Prime Minister reminded them on Saturday at the Academy dinner, to have the knowledge of two dead languages to enable one to paint a picture; to

ll, they should have a better education for pharmaceutical pirants than had hitherto been required. In regard to the amination being taken in not more than two sittings, they ght alter that in time to come, as he questioned if it was uivalent to the Medical Board's requirements, who red the examination to be taken in one sitting.

Dr. SYMES said the matter was discussed very freely when i was proposed some time ago, and he did not think it essary to go over the arguments again. He hoped they uld have a better educated class of men in future, and t t failures would be fewer in their qualifying examinaths. They were publishing the list, he said, with a view other bodies putting in claims for recognition, and he itanced the Matriculation examination of Queen's College, lfast, as one which appeared to be a suitable one to add. would be noticed in the report that there is a detailed ount given of the minimum requirements of marks. Some uired a lower minimum than others, but it did not follow t t the examination was of a low standard as the examiners e their mar s in proportion. He would like to emphasise t fact that the list was not put forward as complete.

Mr. ATKINS thought the report a careful digest of details; had long taken an interest in the subject, as he had felt t t the large proportion of failures had been due to ective preliminary education; the alteration was an act mercy and generosity to the men about to enter their rks. In thus requiring better training they were only ving along the lines of modern requirements. Many of tir errand-boys were really running very close in educa-n upon their young men. Another thing that struck him s the question of secondary education, which was now in t hands of great educational bodies, who were trying to prove the slip-shod preparation for life which the middle sses seem to content themselves with. The step they re taking would have a great bearing on the question of eaching and examining university for London and in liating their own Society with that university.

Mr. CARTEIGHE made an appeal to parents, members of t Society and intending to bring their sons up to rmacy, not to be contented with the minimum examina-ns, but to let their boys go in for the senior divisions in ference to the junior. It cost no more, and the exami-ion was almost as easy to a boy in his school-days. A fi-class certificate carried a man anywhere; if his health ed he could enter medicine or law, or take his place ie had to go abroad.

he PRESIDENT added that he hoped candidates would e as high a qualification as possible.

he report was adopted, and the report of the

FINANCE COMMITTEE

w next read. It showed a balance on the

	£	s.	d.
General Fund account	2,147	3	0
Benevolent Fund	1,275	10	0
Donation account	653	3	5
Orphan Fund	230	4	9

T sum of 2,136*l.* 16*s.* 3*d.* was submitted for payment, which ir uded 603*l.* for examiners' fees, 657*l.* for the *Journal*, 54*l.* fo salaries, 128*l.* for insurance of leases, 183*l.* for rates, and 3 f r current expenses.

he President moved the adoption of the report. He said tl e was nothing to call for remark except the payment for ir rance of leases, which was a somewhat new but wise d arture. By paying an annual sum they would have at tl time the leases fell in a sum of money in hand.

he report was adopted. The

BENEVOLENT FUND COMMITTEE

re mmended two grants of 13*l.* and three of 10*l.*, one applica-ti not being entertained.

r. ATKINS moved the adoption of the report, and made or or two remarks of interest. One case was of an old man of 1 who was an associate from 1842 to 1846. They were gi ng him all the help he asked for, which was less than it w ld have been if other friends were not helping him. A ther grant was to a lady whose husband was a prizeman of he School and assistant to Professor Redwood. He w ld like to add that the committee found the help of the local secretaries very valuable; it often enabled them to come to a right and just decision.

The report was adopted, and the report of the

LAW AND PARLIAMENTARY COMMITTEE

was next presented. It dealt with the present position of the Pharmacy Bill, 1899, and the Companies (Medical Profession) Bill, and recommended that action in reference to these Bills be left to the Watch Committee.

The PRESIDENT said the report showed the confidence which the Law and Parliamentary Committee had in their Watch Committee, as he was sure all on the Council had. He believed that it would be to the advantage of their friends throughout the country to trust to them, and not be brought under the influence of irresponsible and self-constituted advisers, to their disadvantage. In reference to the Pharmacy Bill, it did not depress him in the least, as he believed they would be better for a little stirring-up and that some good would come out of it. They had been going from bad to worse for some years, and the sooner they came to some definite understanding on the company-pharmacy question the better. He could assure them and their friends throughout the country that, as far as their wisdom went, the Watch Committee will do all that lies in its power to protect the interests of all qualified persons. (Hear, hear.)

This report was also adopted.

THE LIBRARY COMMITTEE'S REPORT

was then read. It dealt with the attendances at the library and museum, the donations thereto, and the circulation of books. Mention was also made that Mr. Carteighe had presented a portrait of Mr. Chas. Dinneford, a founder of the Society. The Surveyor, it was also reported, had served notices on the lessees of the Twickenham property requiring them to carry out the clauses of the leases. The draft annual report was submitted, and it was recommended that the Burroughs scholarship be awarded for next session to Mr. William Garsed.

The PRESIDENT said the report covered the usual routine except in regard to the periodic survey of the property from which they obtain ground-rents—that was a new departure. Mr. Garsed, to whom the Burroughs Scholarship was proposed to be awarded, was a student in their school for the last two sessions, and he hoped he would derive benefit from the scholarship.

The report was adopted.

EXAMINATION MATTERS.

The Board of Examiners in London reported that there were 367 candidates for the Minor—100 passed and 267 failed. For the Major 37 were examined and 18 passed. For the "First" examination 429 candidates were examined and 209 passed. Thirty-eight certificates were accepted in lieu of the examination.

Mr Peter Boa was appointed examiner in Scotland for the remainder of the year in place of Mr. T. Maben.

The PRESIDENT said Mr. Boa had already been an examiner, and he hoped he would continue to be as good an examiner as he had been in the past.

Messrs. Lucas and Pinches were invited to conduct the examination for the Jacob Bell Scholarship and the Manchester Pharmaceutical Scholarship.

PHARMACOPŒIA MATTERS.

The PRESIDENT then referred to a letter he had read a few months ago from the General Medical Council in reference to the production of the next Pharmacopœia. It was suggested that steps be taken to examine the criticisms and accumulate matter for the next Pharmacopœia. The Pharmaceutical Society were asked to appoint two representatives. In accordance with this suggestion Mr. Chas. Ekin and Dr. W. Inglis Clark were appointed to represent the Society. Both these gentlemen had, the President added, been excellent members of the B.P. Committee of the Pharmaceutical Society, which did excellent work in the preparation of the 1898 Pharmacopœia. He thought these gentlemen would be of great service to the General Medical Council.

Mr. CARTEIGHE said he could see in this appointment the beginning of that *bona-fide* cordial co-operation between medicine and pharmacy which they had all aspired to for

many years. He thought the G.M.C. were beginning to see the enormous amount of work which should be done and the loss they had suffered through not consulting all the authorities they could. The conference of advice would be of the greatest possible advantage, and would pave the way to the appointment of a committee after the publishing of one Pharmacopœia to do work for the next.

PRIZE AWARDS.

The report of the examiners for the Council examinations recommended that the Pereira medal be awarded to Mr. Herbert Payne, the Society's silver medal to Miss Frances Magan, and the bronze medal to Mr. T. E. Wallace.

The examiners were thanked, and their recommendations adopted.

LETTERS.

Mr. A. B. Hill wrote to thank the Council for its vote of sympathy on the death of his father.

The Swansea and District Chemists' Association wrote to thank the Council "for its promptness in organising opposition to the Pharmacy Bill."

From Cambridge a petition was sent praying the Council to procure the rejection of the Pharmacy Bill.

The Edinburgh executive and Aberdeen Chemists' Association sent resolutions to the same effect.

The Burnley and District Chemists' Association asked that a vigorous policy be adopted in reference to the Pharmacy Bill, and urging the Council to take the craft more into its confidence.

The Manchester Pharmaceutical Association and

The Midland Pharmaceutical Association sent resolutions in reference to the Bill.

The PRESIDENT said all these letters indicated the great interest taken in the Society. All the letters breathed loyalty towards the Council, and would tend to stiffen their backs if they had need of it.

The resolutions were passed on to the Law and Parliamentary Committee for consideration.

The Council then considered the annual report and financial statement in committee, and the form in which it was ultimately passed is subjoined.

Annual Report of the Council.

Finance.

The financial statement for the year 1898 has been prepared for the Finance Committee by Mr. T. P. Scrivener, Fellow of the Institute of Chartered Accountants, and submitted to the auditors. The statement duly signed is appended hereto.

Examination.

During 1898 the candidates for the First examination numbered 1,349, of whom 637, or 47·22 per cent., passed, and 712, or 52·78 per cent., failed. In comparison with the preceding year the number of candidates for 1898 shows a decrease of 65, but the percentage of failures was somewhat higher. For the Qualifying examination 1,679 candidates entered, and 535, or 31·89 per cent., were successful. In 1897 the number was 1,441, and the pass percentage was 32. The Major candidates during the year numbered 121, as against 105 in the previous twelve months, and there were 57 failures.

Evening Meetings.

At the meetings in London interesting lectures have been delivered by Professor Ramsay, F.R.S., Mr. W. Murton Holmes, and Professor J. Reynolds Green, F.R.S., and the thanks of the Council are due to those gentlemen, and to Professor J. Norman Collie, F.R.S., who, at short notice, gave a much-appreciated account of "The Canadian Rockies." In Edinburgh the session was opened with an address by Professor Stockman on "Arrow-poisons," and subsequent papers of considerable interest and value were contributed by Messrs. D. Brown, J. Lothian, D. B. Dott, A. Davidson, G. Lunan, G. F. Merson, W. B. Cowie, A. Currie, B. Cockburn, and others.

School.

The fifty-sixth session of the School of Pharmacy was opened with an address by Sir James Crichton Browne, F.R.S., which attracted a large audience, and received considerable attention from the general press. The Council has pleasure in recording that every bench in the laboratory has been filled, affording a proof that the present educational arrangements are much appreciated.

Libraries and Museums.

During the year many additions have been made to the library and museums, and the Council has continued the policy of steady development of these departments. The purchases of books and specimens have been again supplemented by the donations of honorary, corresponding, and active members, as well as by other persons interested in pharmacy or the allied sciences.

Council.

In November the Treasurer, Mr. Hampson, who, as a member of Council for twenty-six years, had taken an active interest in the administrative work of the Society, resigned his seat through ill-health. Mr. Wm. Martindale was appointed Treasurer, and the vacancy on the Council was filled by the election of Mr. J. F. Harrington.

North British Branch.

The report of the Executive to the Council was received in May, and records the efficient and satisfactory condition of the North British Branch. The assistance of the Executive in the management of the Branch is cordially acknowledged by the Council.

Honorary and Corresponding Members.

At the last meeting of the Council Dr. Schmidt, of Marburg, Dr. Frölich, of Berlin, Professor Moissan and Dr. Maxime Cornu, of Paris, Dr. George Watt, C.I.E., of Calcutta, and Professor Whitla, of Belfast, were elected honorary members of the Society; and Dr. Keir Cross, of Zemba, Central Africa, Dr. Greshoff, of Haarlem, and Mr. R. T. Baker, of Sydney, were elected corresponding members.

Parliamentary.

The efforts of the Council to widen the basis of membership of the Society, so as to include all registered persons, were during the year crowned with success by the passing of the Pharmacy Acts Amendment Act, which received the Royal assent and became law in July last. By virtue of that Act all registered persons are now eligible to become members of the Society, and, if elected, to serve upon the Council. The procedure of the Council elections is also changed by the new statute, seven members retiring annually by rotation instead of seven by rotation and seven by lot, as prescribed by the Charter of Incorporation. This change in the constitution of the Society naturally involved the making of new by-laws to effect the conversion of subscribers known as "associates in business" into members, and a very large amount of detail work was necessary before complete transformation could be achieved. New by-laws were eventually approved by the Privy Council, and it became possible to admit as members on December 7 the whole of the 1,755 supporters of the Society then upon the list of "associates in business." Since that time more than 2,000 names have been added to the roll of members.

The Council has further to record that in June it became necessary to take energetic steps to defend the interests of chemists and druggists in regard to proposed legislation dealing with the sale of poisonous substances. A Bill was introduced into the House of Lords by the Lord President of the Council, which not only ignored, but practically destroyed the salutary principles embodied in the Pharmacy Act, 1868. The Bill passed rapidly through the House of Lords, and the Council, with the help of the Society's local secretaries, made strong representations to the Government and to the House of Commons against the measure, and prepared to offer the most strenuous opposition to its further progress. In the result these efforts had the desired effect, and the Poisonous Substances Bill was withdrawn without having been submitted to the Lower House. The loyal support and prompt action of the local officers and members of the Society constituted a gratifying feature of the session, and the Council gratefully acknowledges the services then rendered.

Poison Regulations.

At the Council meeting in December a requisition signed by thirty members was presented, calling upon the Council to convene a special general meeting for the purpose of considering and, if thought fit, of adopting regulations for the keeping and dispensing of poisons in accordance with the provisions set forth in Section 1 of the Pharmacy Act, 1868. A meeting was accordingly convened for January 11, and the members then present adopted as compulsory regulations the recommendations which were passed by the Council in 1871, and which have been since published annually in the Society's Calendar. The regulations received the approval of the Privy Council in February, and now form part of the Pharmacy Act, 1868. Notification of this fact has been officially announced in the *Pharmaceutical Journal*, and a copy of the regulations has been posted to every person on the register.

The Companies Question.

The exertions of the Council to secure an amendment of the law under which incorporated companies are permitted to evade the Pharmacy Acts have continued without intermission for the past four years; but it is to be regretted that no successful issue can be reported. During the passage of the Pharmacy Acts Amendment Bill through the House of Lords the Lord Chancellor and the late Lord Herschell made public statements indicating that in their opinion companies should be amenable, in the same manner as natural persons, to the provisions of the Pharmacy Acts. The Lord Chancellor thought that this object should be accomplished by a suitable addition to the Society's Bill then before the House, and a clause was drafted under his direction and brought forward by him for insertion into the Bill whilst in Committee. The clause was, however, considered unsatisfactory by the Council, inasmuch as it did not put an incorporated company on the same footing as a natural person, and, moreover, was powerless to afford the public protection which the Lord Chancellor himself thought to be essential. The Council represented these considerations to his Lordship, who subsequently withdrew the clause. Shortly afterwards the Council was invited to send to the Lord Chancellor suggestions with a view to possible legislation on the subject during this Session. After careful consideration of the views expressed by the various pharmaceutical associations throughout the country, the Council formulated and forwarded the "Suggestions for a Draft Pharmacy Bill," which were published in the *Pharmaceutical Journal* of February 4, 1899. The Lord Chancellor has not seen his way to adopt the suggestions of the Council, but has introduced into the House of Lords a Pharmacy Bill which proposes to confer upon companies the right of carrying on the business and of using the titles of pharmaceutical chemists and chemists and druggists subject to the employment of a registered person. This action is somewhat inexplicable in the light of the statements made by his Lordship last Session, and in face of the Companies (Medical Profession) Bill simultaneously introduced into the House of Lords with the Pharmacy Bill, and the Council has no other course but to offer active opposition to the further progress of the measure. With that object the Parliamentary Watch Committee has been authorised to act in the interests of chemists and druggists.

Pharmacopœia Revision.

The General Medical Council having invited the co-operation of the Society in respect to future revision of the British Pharmacopœia, Mr. Charles Ekin and Dr. W. Inglis Park have been appointed to represent the Society at the meetings of a Conference in regard thereto convened by the General Medical Council.

Chelsea Physic-garden.

The Council has to record that the Charity Commission, upon whom devolved the duty of drawing up a scheme for the administration of this historic garden, has included the Pharmaceutical Society among the bodies to be represented on the committee of management. Mr. Michael Carteighe has been appointed the representative of the Society.

Scholarships.

Several minor changes have been made in the regulations relating to the scholarships offered by the Society. The date of competition for the Redwood scholarship and the Burroughs scholarship has been altered from July to April, and a similar alteration made in the case of the Pereira medal competition. With a view to a better definition of the required standard in the science subjects of the Bell and Manchester scholarships the words "an elementary knowledge of botany, chemistry, and pharmacy," hitherto appearing in the regulations, have been replaced by the following:—

"Botany, chemistry, and pharmacy based upon an elementary knowledge of the principal chemicals, drugs, and processes of the British Pharmacopœia, such as a student may reasonably be expected to have acquired during his apprenticeship."

Legal.

The number of infringement cases reported to the Registrar, and investigated during 1893, was 362. Contested cases were heard at Hull, Portsmouth, Haslingden, Leicester, Manchester, Rochdale, Bow, Luton, Southwark, Bacup, Lambeth, Grimsby, Oldham, Llanrwst, Whitechapel, Westminster, and Stonehouse, and in each case judgment was given for the Society. In one case proceedings were instituted against the manufacturers of an arsenical weed-killer for selling a tin of their preparation through the post, and failing to comply with the regulations laid down by Section 17 of the Pharmacy Act, 1868. A full Bench of Magistrates were unanimously of opinion that there should be a conviction, and inflicted the full penalty of 5*l.*, with costs.

Benevolent Fund.

The financial position of the fund is set out in detail in the statement submitted with this report. Annual subscriptions show a slight diminution compared with the amount subscribed in 1897, which, owing to the decennial festival, was a somewhat exceptional year. The total amount expended in the relief of necessitous cases and in the payment of annuities was 2,767*l.* There are now forty-four annuitants on the fund, the annual charge involved on that account being 2,120*l.*

Obituary.

The following honorary members have died during the year:—Lord Playfair, Dr. De Vrij, Brigade-Surgeon Aitchison, and J. Bosisto, C.M.G. The deaths also have to be recorded of A. Stephen Hill and John Cripps, both of who m left legacies to the Benevolent Fund; A. Kinninmont, a former member of the Board of Examiners in Scotland; J. Cornelius, formerly Divisional Secretary for East St Pancras; H. Shelley, a former Local Secretary for Twickenham; and the following Local and Divisional Secretaries:—H. W. Seeley (Halifax), C. M. K. Bourne (West Bromwich), W. Duncan (Rothesay), and T. W. Horsley (North Paddington).

FINANCIAL STATEMENTS FOR 1898.

GENERAL FUND.

EXPENDITURE.

	£	s.	d.
To Annuities	500	0	0
Carriage of Books and Parcels	16	19	2
Certificates of Death	18	7	6
Examinations: Minor and Major:—			
Fees to Examiners and Travelling Expenses—			
England and Wales ...	1,784	18	4
Scotland	720	17	6
Refreshments—England and Wales	99	4	8
Scotland	33	12	9
Apparatus, Drugs, Chemicals, Printing, and sundry charges—England and Wales	368	18	2
Scotland	46	18	1
[*Total* £3,054 9*s.* 6*d.*]			
First Examination:—			
Fees to Superintendents, Hire of Rooms, and other charges	323	15	5
Fees to the College of Preceptors	175	5	0
[*Total* "First" £499 0*s.* 5*d.*; all £3,553 9*s.* 11*d.*]			
Gas, Water, Coal, Cleaning Materials, &c.	328	7	6
House Servants—Wages	292	5	8
Journal:—Balance of account	2,252	3	10
Law Costs	706	2	11

	£	s.	d.
Library:—Librarian's Salary	275	0	0
Purchase and Binding of Books	87	19	1
Library Association Meeting	10	10	0
[*Total* £373 9s. 1d.]			
Museum:—			
Curator's Salary	400	0	0
Assistant's Wages and Sundry Expenses for Bottles, &c.	100	16	4
Attending Museums' Association Meeting ...	10	10	0
[*Total* £511 6s. 4d.]			
North British Branch:—			
Assistant Secretary—Salary	250	0	0
Taxes and Insurance	59	15	5
Members of Executive—Travelling Expenses, &c.	46	13	5
Fuel, Light, Water, Cleaning, Service, and Miscellaneous Expenses	452	16	9
[*Total* £809 5s. 7d.]			
Evening and other Meetings	46	16	9
Postage:—General	245	19	3
Journal	797	5	9
[*Total* £1,043 5s.]			
Register—Balance of Account	0	1	9
Rent, Taxes, and Insurance	741	17	9
Premium on Leasehold Redemption Policies ...	128	2	6
Repairs and Alterations	565	17	7
Salaries:—Secretary and Registrar, and Clerks ...	1,735	16	0
School of Pharmacy:—			
Stipends of Professors and Share of Fees ...	1,399	2	0
Lecturer, Assistant Lecturer and Demonstrators, and Wages of Porters	597	2	4
Apparatus, Chemicals, Specimens for Lecture Classes, Prize Medals, Certificates, and printing and posting prospectus	449	12	3
[*Total* £2,445 16s. 7d.]			
Stationery, Engraving, Printing and Office Expenses	183	12	4
Expenses in connection with the Pharmacy Act, 1898	215	0	0
Calendar	79	1	2
Sundries	13	5	7
Travelling Expenses—Council and Committees ...	480	11	2
Refreshments for Council	41	8	2
London and Westminster Bank—Interest on Advance	38	3	2
Total	£17,120	13	0

RECEIPTS.

	£	s.	d.
Balance Transferred from Accumulated Funds ...	840	8	6
Examination Fees:—			
1,512 First Examination	2,665	7	0
1,708 Minor	6,649	10	0
111 Major	336	1	0
Restoration Fees	22	1	0
[*Total* £9,672 19s.]			
Interest on Investments:—			
Ground Rents	149	16	8
Rent of 15 Bloomsbury Sq.	187	10	8
[*Total* £337 7s. 4d.]			
School Fees	1,467	5	8
Subscriptions:—			
1,263 Members, Pharmaceutical Chemists ...	1,326	3	0
518 „ Chemists and Druggists ...	543	18	0
1,743 Associates in Business	1,830	3	0
1,003 Associates	526	11	6
864 Students	453	12	0
Life Subscriptions	115	10	0
Fees paid upon restoration to the Society ...	6	15	0
[*Total* £4,802 12s. 6d.]			
Total	£17,120	13	0

BALANCE-SHEET, DECEMBER 31, 1898.

LIABILITIES.

	£	s.	d.
To Loan—London and Westminster Bank	1,500	0	0
Sundry Creditors	2,031	7	2
Examination-fees in advance	2,035	5	0
School-fees in advance	951	13	4
Cash—Due to Treasurer	33	7	9
Accumulated Fund as on December 31, 1897 (less £340 8s. 6d., balance of Revenue Account as above)	32,424	2	2
Total	£38,975	15	5

ASSETS.

	£	s.	d.
By Freehold Ground Rents at—			
Paddington Green ... ... at cost	5,551	5	5
House in Edinburgh ... ... „	1,931	10	0
Ditto, Additional Building... ... ... „	3,111	4	9
Leasehold Premises—			
Galen Place ... ... „	10,606	10	2
15 and 16 Bloomsbury Square ... ... „	9,527	5	3
17 Bloomsbury Square, and 72 and 73 Great Russell Street, valued at	5,000	0	0
[*Total*, £35,727 15s. 8d.]			
Sundry Debtors	2,901	10	8
Cash—			
London and Westminster Bank	250	14	0
Chairman of Executive in Scotland	95	15	1
[*Total*, £346 9s. 1d.]			
Total	£38,975	15	5

The leases of these properties are insured under a Capital Redemption Fund for 25,000*l*.

The above assets are exclusive of a museum and a library, as well as furniture and fittings, in London and Edinburgh. The copyright of the *Pharmaceutical Journal* is also not included.

The Benevolent Fund.

Revenue account shows an income of 3,309*l*. 15*s*. and an expenditure of 2,859*l*. 18*s*. 8*d*. The balance of 449*l*. is carried to accumulated funds. The income is made up of 1,795*l* in subscriptions, 318*l*. in donations, and the rest from investments, most of which are ground-rents. The expenditure includes 2,065*l*. in annuities, and 702*l*. in grants. The assets of the Benevolent Fund are as below:—

	£	s.	d.
Freehold Ground Rents at:—			
Strawberry Hill (at cost)	1,020	12	6
Battersea „	12,213	0	0
Broomwood Park „	7,454	7	10
West Kensington „	5,809	2	1
[*Total* £26,497 2s. 5d.]			
6,050*l*. 2¾-per-cent. Consols	6,692	15	0
St. Paul, Minneapolis, and Manitoba Railway 4-per-cent. Bond	100	0	0
Chemists' Aërated and Mineral Waters Association (Limited) fully-paid-up 1*l*. Shares	100	0	0
[*Total* £33,389 17s. 5d.]			
Sundry Debtors	358	17	11
Annuities paid in Advance	541	5	0
Cash:—			
London and Westminster Bank—Donation Account	597	18	5
London and Westminster Bank—Current Account	326	16	11
Treasurer—Current Account	7	12	3
[*Total* £932 7s. 7d.]			
	£35,222	7	11

Of this, 1,000*l*. belongs to the orphan fund, which also owns Consols worth 355*l*.

New Books.

Any book named in this list can be supplied post-free to any part of the world on receipt of the published price by the Publisher of The Chemist and Druggist, *42 Cannon Street, London, E.C.*

Bolton, H. C. *Select Bibliography of Chemistry*, 1492-18 1st Suppl. 8vo. 7s. 6d. net. (Wesley.)

Bosqui, F. L. *Practical Notes on the Cyanide Process.* Illus. 8vo. 12s. (New York.)

Lachman, A. *Spirit of Organic Chemistry.* Cr 8vo. 6s. 6d. net. (Macmillan.)

Morgan, J. L. R. *The Elements of Physical Chemistry.* 12mo. 10s. (New York.)

Muir, M. M. P. *Course of Practical Chemistry.* Part 2: Intermediate. 7⅝ × 4⅞. Pp. 244. 4s. 6d. (Longmans.)

Whipple, G. C. *The Microscopy of Drinking-water.* Illus. with Bibliography and Index. 8vo. 16s. (New York.)

Nottingham and Notts Chemists' Association.

At the thirtieth annual dinner of this Association, held at the Albert Hotel, Nottingham, on April 27, the President of the Pharmaceutical Society (Mr. Walter Hills) was the principal guest. Mr. R. FitzHugh, J.P. (President of the Association), was in the chair, and Mr. E. Gascoyne (Vice-President) was in the vice-chair. There was a large gathering, amongst those present being the Mayor of Nottingham (Alderman E. H. Fraser, J.P., D.C.L.), the Deputy-Mayor (Alderman J. Bright, J.P.), Dr. C. H. Cattle, Alderman Dr. F. R. Mutch, Professor Carr, Mr. P. S. Clay (Chief Constable of Nottingham), Mr. J. Wilford (Treasurer of the Association), and Mr. A. E. Eberlin. After the toast of "The Queen" had been proposed from the chair,

Mr. F. R. Sergeant, Local Secretary of the Pharmaceutical Society, proposed the toast of that Society. They were all pleased to see present the President of the Pharmaceutical Society. He was pleased to propose the toast, because he knew he spoke amongst friends of the Society. The democratic action of the Pharmaceutical Society in taking into membership the chemist and druggist as well as the pharmaceutical chemist had been attended with most gratifying results throughout the country. At the end of last year they in Nottingham had twenty-four members of the Pharmaceutical Society, while now there were, to the best of his belief, fifty-four members. Speaking with reference to the Lord Chancellor's Bill, Mr. Sergeant said he felt sure that the chemists of the country would rise and see that the Bill did not become law.

Mr. Hills, in reply, said it gave him great pleasure to come to Nottingham to attend the annual dinner of an Association which had done so much good work for the Pharmaceutical Society and for their common calling. He did not claim for the Pharmaceutical Society any infallibility, but he did claim that, as far as it had had the support of the registered persons connected with it, the Council had from the very commencement done excellent work and done work which had been for the advancement of their common interests. But to do good work it was necessary to feel that they had a strong backing. Owing to the passing of the Pharmacy Acts Amendment Bill last year they had received considerable additions to the number of their members. When he told them that they had something like 1,740 new members during the present year, they could agree that Mr. Sergeant was right when he said that the passing of that Act was of great benefit to the Society. After alluding to the Benevolent Fund of the Society, the President went on to speak on the subject of education. The Society had from its earliest years done all in its power to promote the higher education of those who were coming to the calling. Their school in Bloomsbury Square was full and was carrying on excellent work; but he had just come from examinations which he had attended in Edinburgh and London, and he was grieved to say that, out of something like 501 candidates who submitted themselves for examination, only 155 passed. That was not a satisfactory state of affairs, and, when he told them that he had been recently informed that about 5 per cent. failed for the German qualification, it seemed a sad thing that something like 70 per cent. of their own candidates failed.

What was the Cause?

First, insufficient general education, and, second, insufficient technical training and scientific knowledge. With regard to general education, he was glad that after July of next year their new system of examination would commence, and they would demand of those who were entering their calling evidence of a more liberal education. This would come into force next year, and he hoped that at their meeting next week the Council would approve of the suggestions that were to be made by the Board of Examiners with reference to the certificates which they would expect in lieu of their present Preliminary examination. The other cause of the large number of failures was insufficient technical experience and training. He was one of those who had for many years been an advocate of an enforced curriculum, and he hoped that before many years were past there would be such a force of opinion amongst the members of their calling as would enable them to go to Parliament to obtain the necessary powers to enforce a curriculum upon their students. He thought it would be for the advantage of students and their calling, and also to the advantage of those local colleges and universities, an excellent example of which they had in Nottingham. He was glad to hear of the excellent work that was being carried on there in connection with the teaching of pharmaceutical students, and he hoped that the time was not far distant when all their students would at one portion of their career have to be associated with a college or university such as that at Nottingham, and in that way obtain their scientific knowledge in a more satisfactory way than they now in many cases obtained it at private schools or otherwise. He was also one of those who were in favour under certain conditions of dividing the qualifying examination, but he had always said on the condition that they had an enforced curriculum. When they had that he was in favour of a divided examination, and an examination which should give the individual who passed that divided examination the title of pharmaceutical chemist or pharmacist. It must be, in his judgment, after an advance in training, and after having passed through a certain course of instruction at one of the public colleges or universities. Referring next to

The Lord Chancellor's Latest Achievement,

Mr. Hills said it was evident, from the Pharmacy Act of 1868, that it was the intention of the Legislature that the persons who kept open shop should be qualified, but in the course of time limited companies came very much into vogue, and they turned to look towards the pet lamb of pharmacy. A case was fought, and it was ultimately laid down that limited companies were outside the Pharmacy Acts altogether, and that in this particular case the poison having been sold by a qualified individual, the public interest and public safety were secured. During the progress of the Pharmacy Acts Amendment Bill last year, at a late stage of the progress of the Bill in the House of Lords, the Lord Chancellor and the late Lord Herschell made some statements with reference to the anomaly which now existed in this respect, and from the sympathetic tone of their remarks they expected very much. But when the special amendment of which the Lord Chancellor had given notice was actually in print, it was found that it did not meet their views at all, and for many reasons the Lord Chancellor was good enough at that time to withdraw that amendment. Soon after the passing of their Act he (Mr. Hills) had an interview with the Lord Chancellor. The result of it all was that the Council of the Pharmaceutical Society thought it wise to send in to the Lord Chancellor suggestions for a new Pharmacy Bill, and at the same time other professional bodies who were beginning to be hit in the same way that chemists had been hit for twenty years were also approaching the Lord Chancellor. Whatever may have been the wisdom of the particular line they took, he thought the Council were perfectly justified in sending in the suggestions in the form in which they were sent. They approached the Lord Chancellor on the same grounds as medical men and dentists were approaching him. They said that a company could not pass an examination and so become qualified, and that, therefore, a company should not be allowed to carry on the business of a pharmacist. That seemed logical. Previous to that they had been working with these other professional bodies in trying to get an amendment to the Companies Act which should make it unlawful for any company who, not being a natural person, could not obtain the necessary qualification to carry on a calling which, for a natural person, would require evidence of training and of knowledge. But Mr Ritchie and others considered it impossible to make the suggestions put before him part of any future Companies Amendment Act which was being considered. The suggestions to which he (Mr. Hills) had already referred having been sent to the Lord Chancellor, he was bound to say that he was rather surprised to see the two Bills dealing with them on totally different lines—in the one case to protect the practice of dentistry, surgery, and midwifery, and in the other case it went to the extent not only of permitting company-pharmacy under certain

conditions, but it also went out of its way to say that their titles should no longer be protected to the individuals who had done something to show they were worthy of them, but that they should be taken by companies, who happened to have money and put it together in a common concern. That seemed to him

ALTOGETHER CONTRARY TO JUSTICE.

As far as he could see there was nothing to prevent a company from taking a business in every town in England and having one chemist and druggist or one pharmaceutical chemist in one of their establishments, sometimes in one place and sometimes in another. It was absolutely necessary that they should fight for their titles. They were not in this respect in any different case to the other professional bodies dealt with in the other Bill. They were on the same footing with regard to their titles as medical men and dentists. They must oppose the Lord Chancellor's Bill tooth and nail, and they would defeat it. There were various forms of company-trading. On the one hand, they had limited companies carrying on the practice of pharmacy, the managing directors of which were pharmaceutical chemists or chemists and druggists, who had for certain reasons converted themselves into limited companies. He did not suppose there was any objection to that kind of company-trading. There was the bogus or one-man company. These were companies which in many cases had been formed after a prosecution by the Council of the Pharmaceutical Society. While he believed that they had a majority of qualified persons with them in the suggestions sent to the Lord Chancellor, still there was a large number of their friends who felt there were considerable difficulties in dealing with the question, owing to certain interests which were considered to be vested interests. It would be for the chemists of the country to consider whether in the future it would not be necessary in some way, while protecting the interests of the qualified individual, both as to title and position, to regulate company-trading in such a way that it would be as well for the public interest and also at the same time entirely in the interest of the qualified individual. He hoped in the coming election they would vote for men in whom they had confidence, for men who had no special fads, and when they had sent them to the Council they must trust them.

Mr. J Harrop White (Deputy Town Clerk of Mansfield) proposed "The Mayor, Magistrates, and Corporation of Nottingham," to which the Mayor and Deputy-Mayor responded. The President of the Pharmaceutical Society submitted

"THE NOTTINGHAM AND NOTTS CHEMISTS' ASSOCIATION."

Mr. Hills, in putting the toast to his fellow guests, said he understood that the Association had been in existence something like thirty years, and during that time it had done a large amount of excellent work. They had shown a desire to promote the education of the young men of the town and neighbourhood. He was glad to think that they had classes in connection with the University College of Nottingham, and that, as a rule, their men were successful when they presented themselves for examination. A great deal of the success of any society was due to the officers. He had long known the name of Mr. FitzHugh as being closely associated with the progress of pharmacy in the Nottingham district, and he understood that Mr. FitzHugh had been President of their Association for twenty-three years. Mr. Hills also mentioned Mr. Gascoyne, the Vice-President, Mr. Eberlin, their indefatigable Secretary, and Mr. Sergeant, who had succeeded Mr. Bolton as local representative of the Pharmaceutical Society. He was delighted with the increase in the membership of the Association.

Mr. FitzHugh first responded. Nothing gave him greater pleasure than to see around him a number of gentlemen who had received assistance and instruction through the Society of which he was President, and he hoped that the advantages held out would continue to be utilised by students.

Mr. Gascoyne also replied. He gave a brief account of the work of the winter session, and remarked that perhaps the most important work their Association had done this year or for several years was the influence they were able to bring to bear on the Pharmacy Bill in its passage through the House of Commons last year. Mr. Yoxall, M.P. for West Nottingham, through some misunderstanding as to the nature and scope of that Bill, placed an amendment on the paper. The Bill was dealing purely with the domestic policy of the Pharmaceutical Society, and its only chance of passing rested on its being an unopposed measure. By the amendment of Mr. Yoxall it became an opposed measure, and stood practically no chance of passing. The Nottingham and Notts Association decided to approach Mr. Yoxall, and they did so through Mr. Gill and Mr. Sergeant, and the amendment was withdrawn and the Bill became law. Once during the session their Association took the liberty of discussing the policy of the Pharmaceutical Society. They did this occasionally and did not always agree, and as he was looked upon rather in the light of a malcontent he would like to say how pleased he was to see the President of the Pharmaceutical Society present.

Mr. Gill proposed "The Medical Profession," and Dr. Cattle and Dr. Mutch responded. Professor Carr replied to the toast of "The Visitors," proposed by Mr. A. E. Beilby. Mr. Bolton proposed "The health of the Chairman."

Personalities.

MR. M. A. COLLINS, chemist, Nelson, has been re-elected a member of the local School Board.

MR. J. J. TREMEER, chemist, has been appointed a Justice of the Peace for the borough of Barnstaple.

MR. JOHN GREEN, chemist and druggist, has been elected Chairman of the Old Swindon Urban District Council.

MR J. W. DEAKIN, chemist, Northwich, has been elected Chairman of the Northwich Urban District Council, and is therefore now a Justice of the Peace for the county of Chester.

PROFESSOR PERCY F. FRANKLAND, F.R.S., is to be President of the Physics, Chemistry, and Biology Section of the Congress of the Sanitary Institute, to be held at Southampton on August 29.

MR. W. H. FASSETT, of Messrs. Fassett & Johnson, 31 and 32 Snow Hill, E C., sailed on Wednesday, May 3, by White Star liner *Teutonic*, for New York. His address till June 14 will be 5 La Fayette Street, Albany, N.Y.

THE will of Mr Arthur Stephen Hill, Clapham Park, who died on March 30, 1899, has been proved by his son, Mr. A. B. Hill, South Road, Clapham Park, and Mr. F. J. Ridsdale, 5 Gray's Inn Square. The testator's estate is sworn at 31,496*l.* 14*s*, of which 29,363*l.* 2*s.* 4*d.* is net personalty.

MR W B. ALDERSON, partner in the firms of Messrs. Alderson & Co., Johannesburg, and Messrs A. S. Smith & Co., Doornfontein, was a passenger in the *Arundel Castle*, and will be at home for a short time. Letters to him may be addressed to Messrs. Evans, Lescher & Webb, Bartholomew Close, E C., or to THE CHEMIST AND DRUGGIST office.

Marriages.

FILDES—GARLAND.—On April 25, at Blackburn, Henry Fildes, Stockport, to Janita Olive, youngest daughter of Mr. A. P. Garland, pharmaceutical chemist, Blackburn.

PADDOCK—LAVIS.—At St. Matthew's Church, Bootle, on April 26, by the Rev. A. W. Oliver, John Stanley Paddock, eldest son of Mr. T. Paddock, chemist and druggist, Bootle, to Nellie, daughter of the late Captain R. A. Lavis.

WARD—HOLGATE.—On April 27, at Bolton Abbey, Yorkshire, by the Rev. A. P. Howes, M.A., rector, T. Armistead Ward, F.C.S., M.P.S., of Clayton, Jowett & Ward, Blackburn, to Alice, only daughter of Mr. Thomas Holgate, of Burnley.

Deaths.

DAND.—At Ixopo, Natal, on March 20, Mr. Andrew Dand, chemist and druggist, formerly of Dundee, Scotland.

ECCLES.—At Belfast, on April 14, Mr. John James Eccles, chemist and druggist, late of Keady, co. Armagh. Aged 68.

FLETCHER.—On April 22, Mr. John Fletcher, Ashby, chemist and druggist. Aged 39.

New Companies & Company News.

HICK'S MINERAL WATERS (LIMITED).—Capital 2,000*l.* in 1*l.* shares. Objects: To acquire the business carried on as "Hick's Mineral Waters" in London and elsewhere Registered without articles of association.

F. T. BURGESS (LIMITED).—Capital 10,000*l.*, in 1*l.* shares. Objects: To acquire and carry on the business of mine-owner, ochre, oxide, colour, paint, and varnish manufacturer, and oil merchant and refiner, now carried on by Frederick T. Burgess, of Bury House, Wick, near Bristol. Frederick T. Burgess and Charles E. Lucas are the first directors.

MONTGOMERIE & Co. (LIMITED).—Registered in Edinburgh with a capital of 70,000*l.*, in 1*l* shares. Objects: To acquire the business of a company of the same name (now in liquidation), and to carry on the business of maltsters, malt-extract manufacturers, sugar-refiners, brewers, distillers, millers, bakers, hotel-keepers, and chemical-manufacturers. John Montgomerie is the managing director, with 1,000*l.* per annum. Registered office, 142 St. Vincent Street, Glasgow.

LONDON AND PROVINCIAL ARTIFICIAL TOOTH COMPANY (LIMITED).—Capital 3 000*l.*, in 1*l.* shares. Objects: To carry on the business of dentists, dental-surgeons, and manufacturers of and dealers in artificial teeth and anatomical and surgical appliances. The first subscribers are:—J. F. Gomme, 196 Oxford Street, W.; R. Leigh, Waldeck Road, Ealing, W.; T. Marriott, 11 Old Jewry Chambers, E.C., solicitor; C. P. Elieson, 75 Edith Road, W.; W. S. Naylor, 21 Lady Margaret Road, N.W.; E. F. S. Jupp, 1 Devonshire Street, W.; W. H. Shaw, 205 Westminster Bridge Road, S.E., surgeon-dentist.

INFANT AND INVALID FOOD COMPANY (LIMITED).—Capital 30,000*l.*, in 1*l.* shares. Objects: To acquire the business of manufacturing and selling Falona food carried on by Eugen Marcuse at 15 Seething Lane, E.C., and to carry on the business of infant and invalid food manufacturers and merchants, chemists, druggists, drysalters, oil and colour men, patent-medicine manufacturers, mineral-water manufacturers, wine and spirit merchants, &c. The first directors are Eugen Marcuse, seed-merchant; Tom Lloyd, 12 Finsbury Circus, merchant; and John Maddocks, J.P., Maple Hill, Park Drive, Bradford.

SOUTH KENSINGTON LADIES' DENTAL INSTITUTION AND ASSOCIATION (LIMITED).—Capital 500*l.*, in 1*l.* shares. Objects: To acquire the business formerly carried on by the late Henry F. Partridge, to adopt an agreement with Wm. Ash and Annie F. Melville, and to carry on the business of dentists, dental surgeons, artificial teeth manufacturers, and dealers in anatomical and surgical appliances. The first subscribers are:—Miss Annie F. Melville, and William Ash, surgeon, 1 Glendower Place, S.W.; T. S. Melville, 16 Sumatra Road, West Hampstead, upholsterer; J. F. Butler, 2 Brick Court, Temple, E.C., clerk; P. A. Pinto, 199 Hampstead Road, N.W., dental surgeon; Mrs. I. F. Higgs, 1 Upper Porchester Street, W.; John Davies, 421 Edgware Road, W., dental surgeon.

THOMAS H. WILLIAMS & Co. (LIMITED).—Capital 1,000*l.*, in 1*l.* shares. Objects: To acquire the business carried on by Thomas H. Williams at 38 Eccleston Street, Prescot, Lancs, and to carry on the business of chemists, druggists, seedsmen, wine and spirit merchants, photographic dealers, stationers, Italian warehousemen, grocers, &c. The first subscribers (each with one share) are:—Thomas H Williams, dispenser, and Mrs. Margaret Williams, 38 Eccleston Street, Prescot, Lancs; William Gough, engineer, Robert Evans, warehouseman, and Mrs. Ellen Evans, all of 6 Primrose Street, Liverpool; Hugh W. Hughes, 72 Stanley Road, Liverpool, grocer; Randall Williams, Wood Street, Menai Bridge, North Wales, joiner. Thomas H. Williams is to act as the managing director. Registered office, 38 Eccleston Street, Prescot, Lancs.

CHRISTOPHER WHEELER (LIMITED).—Capital 2,000*l.*, in 1*l.* shares. Objects: To acquire and carry on the business of dispensing chemists, patent-medicine vendors, and general storekeepers, now carried on as "Christopher Wheeler" at 143 and 191 Hackney Road, London. The first subscribers (each with one share) are:—Wilfred N. Wheeler and Christopher J. Wheeler, 143 Hackney Road, N.E., manufacturing chemists; Mrs. Elizabeth C Wheeler and Miss Mary M. E. Wheeler, Eastbourne House, Victoria Park Road, South Hackney; Richard Nevill, 12 Old Square, W.C., barrister-at-law; Sidney Sharp, St. John's, Wandsworth Common, S.W., provision merchant; James F. Nevill, Northumberland Avenue, W.C., Turkish-bath proprietor; Walter R. J. Hickman, 11 Ironmonger Lane, E.C., solicitor. Registered without articles of association.

THE SCARLET FERRIC OXIDE COMPANY (LIMITED).—On April 29 Mr. Justice North, in the Chancery Division, had before him the case of Chudleigh *v.* the Scarlet Ferric Oxide Company (Limited) on a motion for judgment in a debenture-holder's action. All parties consented to the order, and his Lordship gave judgment in the usual form.

SOUTHALL BROTHERS & BARCLAY (LIMITED).—The report of the directors to be presented at the general meeting of this company on Friday, May 5, shows that, after providing for bad debts and depreciation, there is a profit for the year of 11,126*l.* The company took over the business from July 4, 1893; therefore the proportion of the year's profits available for dividend is 5,487*l.* After paying 5 per cent. on the preference shares, a dividend at the rate of about 10 per cent. per annum is paid on the ordinary shares, the sum of 2,622*l.* is placed to reserve, and 359*l.* is carried forward. The ordinary shares, it may be remembered, are all held by the vendors of the business.

W. J. BUSH & Co. (LIMITED).—The report of the directors for the year 1898, to be presented at the annual meeting to be held on May 12, states that the gross profit for the year amounted to 67,463*l.*, or 3,512*l.* above 1897. After deducting interest on the debenture issue (5,000*l.*) and directors' fees (3 500*l.*), there is a net profit of 19,620*l.* against 18,927*l.* in 1897. and this with the amount brought forward leaves 20,004*l.* available for dividend. After deducting the dividend paid on the preference shares on April 1 and October 1, and allowing for that which had accrued from the latter date to the end of the year, and the interim dividend at the rate of 8 per cent. per annum on the ordinary shares, paid on October 12 there is a balance of 8,754*l.* left for division. The directors recommend the addition of 3,500*l.* to the reserve-fund, and the payment of a dividend at the rate of 8 per cent. per annum on the ordinary shares for the half-year, carrying forward the balance of 254*l.* The directors report that the plant at the works, Ash Grove and elsewhere, has been thoroughly maintained. During the past year considerable expenditure has been incurred with a view of developing the foreign and colonial trade of the company. The augmentation of the stock-in-trade has been largely caused through the reorganisation of the foreign depôts, which has been done at a preliminary expense of 1,673*l.* A sum of 186*l.* has been marked off, and it is the intention of the directors to mark off in three equal yearly amounts the balance amounting to 1 487*l.* The company has during the year subscribed for 3 489 preference shares in the Société Anglo-Française des Parfums Perfectionnés (Limited). Though the Société has not yet reached a dividend-paying stage, it is hoped that the investment will be a profitable one in itself, irrespective of the ordinary profit to be made in the trading of the company with the Société. The Société have completed additional works, which will enable them to considerably increase the output of their goods. The company are the sole vendors of the Société's goods.

THE PROFESSIONS IN JAPAN.—There are ten schools of pharmacy in Japan. Five of them are Government institutions affiliated to the medical schools in Hongoku (Tokyo), Chiba, Sendai, Kangawa, and Nagasaki; two are public (in Toyama and Kumasuoto); and three private, these being in Shitaya (Tokyo), Kita Ku (Osaka), and Nagoya. There are three dentistry schools, eleven medical schools, and fourteen veterinary schools in the Empire. All these professions are strictly guarded by Government departments, and practitioners must be qualified by curriculum and examination, and be registered by the State.

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The Pharmaceutical Council's Report.

THERE is very little room for comment on the report which the Council of the Pharmaceutical Society has drawn up

narrating its past year's work. Most of the details have been already discussed in full, and allowing for the natural tendency to place events in the most favourable light, there is nothing in the record which the keenest critic could fairly controvert. It might be pointed out perhaps that the 2,000 new members of the Society, who figure effectively in the story, partake to a certain extent of the character of the stage army, as several hundreds of them were formerly associates not in business, over 1,000 of these having been disestablished by the Act of 1898. No doubt a large number now reappear as members. We might also challenge the strict accuracy of the claim that the Council has been exerting itself for the past four years, "without intermission," to secure an amendment of the law under which incorporated companies are permitted to evade the Pharmacy Acts. We seem to remember a moment last July when the Council intermitted its exertions, or rather directed them to an exactly contrary object. The Council had the opportunity for a fight at that time, and ran away. We can hardly expect that event, however, to be described in our language.

The report states that 653 new chemists were qualified in 1898, and it is a little surprising to find that the proportion of passes was practically the same in 1898 as it was in 1897. Most of us thought it would show a decline. The lower percentage in London, we believe, was balanced by some improvement in Edinburgh. The legal information given in the report is brief, but satisfactory. We are told that 362 alleged infringement cases were investigated last year, and contested cases were heard at seventeen places, and all were decided in favour of the Society. This is a part of the Council's work which is well and carefully done. As far as we can judge, the Act is enforced with sufficient vigour to make it respected; while, on the other hand, it is not used oppressively, or in such a way as to arouse a public complaint against its administration. Some discretion is required to maintain this balance.

The financial part of the report is put this year into a new form. We have, in addition to the usual account of income and expenditure, a formal balance-sheet, which has been drawn up by a chartered accountant. The year's income of the Society amounted to the handsome sum of 6,280*l.*, but that was 840*l.* less than the expenditure. The balance-sheet and the expenditure account, indeed, show the financial position of the Society to be very serious, but as we all know the danger of bankruptcy has been averted by the consent of the Privy Council obtained two years ago to the further raid on the unfortunate candidates for examination. The profit made out of these victims in 1893 was over 6,000*l.*, year or two hence it will be 10,000*l.* or 12,000*l.* So what need is there for economy? The Society's journal and the postage thereof still costs over 3,000*l.* a year, and the chartered accountant with a fine touch of irony adds a footnote to his list of assets, mentioning that the copyright of this precious property is not included. Law costs, salaries, and Council expenses are on the up grade, and a new item, "premium on leasehold redemption policies," 128*l.*, is introduced. The Pharmacy Act, 1898, cost 215*l.* But nobody need advocate a cheese-paring policy; the assured income of the future is a good enough security for the London and Westminster Bank to allow things to go on as merrily as the next Council may desire.

A Silly Slander,

concocted with the amiable object of doing us an injury, to the effect that we have advocated the adoption of the Lord Chancellor's proposals for the benefit of drug companies and for the ruin of qualified pharmacists, has obtained a certain currency. It was so stupid that it did not seem possible that the scribbler who invented it could have had any belief in it, and we have not hitherto condescended even to notice it. We have urged legislative action against companies who usurp, as we think, the statutory rights of pharmacists for nearly twenty years; and for so doing we have been voted a nuisance by Presidents and Councils, who all that time held that such mere trade-matters were beneath their august dignity. Our record on this subject is, we should have thought, clear enough, and it was with considerable surprise and disappointment that we noticed last week that Mr. J. Rymer Young, of Warrington, a member of the Pharmaceutical Council, and therefore a person who should be particular about the accuracy of his statements and charges, had repeated this slander in definite language in an address which had evidently been prepared with some deliberation. We therefore, on Friday of last week, wrote and posted to Mr. Young the following letter:—

42 Cannon Street, London, E.C.,
April 28, 1899.

Mr. J. Rymer Young,
40 Sankey Street, Warrington.

Dear Sir,—In your address to the North-East Lancashire Chemists' Association, on April 25, you made some reference to a trade journal which, as far as we know, most of your hearers and readers believe to have been THE CHEMIST AND DRUGGIST. Our reporter gives your words as follows:—

> A trade-journal had nursed the idea that it was the members of the Society who were playing the part of the ass, in paying their guineas to support the organisation on the off-chance of the Council being able to effect some improvement in their condition. Only a few months ago, however, the same paper was expressing approbation of the Lord Chancellor's efforts to extinguish the profession of pharmacy, and doing all in its power to encourage him to persevere in his dire purpose.

In the *Pharmaceutical Journal*, which appears to publish a *verbatim* report of your address, probably supplied by yourself, we find this part of your speech given as follows:—

> One respectable trade journal has for some time past assiduously nursed the idea that it is the members of the Society who are playing the part of the ass, in paying their guineas to support that organisation on the off-chance of the Council being able to effect some improvement in their condition. Does it not strike you, however, that an unmistakably palpable vein of inconsistency pervades those fulminations, for cannot you recall how, only a few short months ago, the selfsame paper was expressing approbation of the Lord Chancellor's efforts to extinguish the profession of pharmacy, and doing everything in its power to encourage that exalted legal luminary to persevere in his dire purpose?

Will you be good enough to say (1) whether in the above paragraph you referred to THE CHEMIST AND DRUGGIST, and (2) if so, whether you can extract from any article which has ever appeared therein anything which even remotely justifies your allegation that this paper has expressed approbation of the Lord Chancellor's efforts to extinguish the profession of pharmacy?

This letter, and any reply to it with which you may favour us, will be published. Yours faithfully,

THE EDITOR.

To this we received the following reply on the morning of our publishing day:—

Dear Sir,—In reply to yours of April 28, permit me to say that I think it is sufficiently obvious, from my remarks as reported, what journal I referred to; and, further, I regret to say, extracts can be made from several articles in that paper which more than remotely justify my statements.

Yours faithfully,
Warrington, May 3. J. RYMER YOUNG.

We regret that we must flatly contradict Mr. Young's assertion so far as the editorial articles in this journal are concerned. No sentence has been published in THE CHEMIST AND DRUGGIST which anyone with the barest intelligence could construe into approval of the Lord

Chancellor's proposals regarding drug companies. In our first article on the subject (July 16, 1893) we assumed, as everybody else did, that the Lord Chancellor's suggestion that the scope of the Pharmacy Bill then before the House of Lords should be extended so as to deal with drug-stores carried on by companies was in our favour. The next week, when the amendment was published, we pointed out that it did not provide all that chemists had a fair right to ask; but we urged that all possible aid to improve it should be given by the Pharmaceutical Council. On July 30, when the amendment had been withdrawn at the urgent request of the Council, we expressed our keen regret that the opportunity had been thus thrown away. We again asserted that the clause, as drafted by the Lord Chancellor, would "not have met the legitimate claim of pharmacists," but we said the representatives of pharmacy might have submitted certain arguments to the Lord Chancellor, and we then suggested the feasibility of requiring that all directors of drug companies, or at least the managing director, should be qualified. The Lord Chancellor's clause so amended, we said, "would go a long way towards remedying the grievance of which we complain." This was the spirit of every allusion we made last year to the Lord Chancellor's clause, and we say still, as we said then, that the Council did a very sorry service to the trade when they ran away from the field of battle which the Lord Chancellor provided for them.

Mr. Young either read our articles or he did not. If he did, he has intelligence enough to understand them; if he did not, he will hardly claim that he was justified in giving his version of them—certainly not in giving a false version of them. The fact is, we presume, that this Councillor, who at Liverpool a few days previously had prided himself on his conscientious straightforwardness, yielded to the temptation of saying at Blackburn what he knew would be relished by his Blackburn audience. The mistake he made was that of accepting Blackburn as his guide and example, as the Council of which he is a member had already done with disastrous results.

Council Candidates.

The Best Seven.

Our Postcard Competition closed on Monday. We had a good show of votes, and if the official poll should correspond with ours, the result will be the election of three veterans and four of the new candidates. Our competitors were asked to name the seven candidates who, in their opinion, best deserved to be elected to the Council. An exhaustive analysis of our postcards shows these to be—

1. *Carteighe, Michael, London.
2. Glyn-Jones, W. S., London.
3. *Bottle, Alex., Dover.
4. Druce, G. C., Oxford.
5. Campkin, A. S., Cambridge.
6. *Southall, Alfred, Birmingham.
7. Wright, R. E., London.

The voting to these positions is decisive, especially in the case of Mr. Carteighe and Mr. Glyn-Jones, neither of whom has a rival for the first and second positions. Mr. Druce runs Mr. Bottle close for the third position; but there is no other risk until we come down to the seventh, and then Mr. Wright, the assistants' candidate, just manages to squeeze out Mr. J. R. Young, of Warrington, who, with the other candidates, we reckon, according to the number of times they have been placed among the favoured seven, to be placed as follows:—

8. *Young, J. R., Warrington.
9. *Harrington, J. F., London.
10. *Harrison, John, Sunderland.
11. *Park, C. J., Plymouth.
12. Smith, John, Liverpool.
13. Morrison, J. W. T., Tring.

The names to which an asterisk is attached are those of members of the outgoing Council. Five of our competitors name the exact seven selected by the general vote, and of these Mr. A. S. Barnes, Woodville, Dudley, gives them most nearly in the order of our total vote. He places them thus:—1, Carteighe; 2, Glyn-Jones; 3, Druce; 4, Campkin; 5 Southall; 6, Wright; 7, Bottle. If he had placed Mr. Bottle between Mr. Glyn-Jones and Mr. Druce the card would have been just right. However, it is the best card sent in, and we give a guinea for it.

American Business.

Preliminary to the publication of the two annual red books on foreign trade the United States Bureau of Foreign Commerce has issued its review of the foreign trade of the country in 1898, the first complete official statement for the whole year. It is an instructive document, which proves, if anything, how indispensable a customer the British Empire is to the United States. First we note that the total exports from the United States in 1898 were valued at $1,255,494,358, or about 50 per cent. more than the annual average for the seven years 1889–95. The imports were a little more than half—viz., $634,958,226, this being $150,000,000, or thereby under the annual average for the preceding nine years. The Dingley tariff is responsible for the decrease in the latter case, and in some directions it has stimulated increase of exports. That, however, is in a manner secondary to the all-important factor presented in the destination of the exports and source of the imports. The following are the figures for the British Empire:—

—	Exports to	Imports from
	$	$
United Kingdom ...	538,661,787	111,361,617
Bermuda	979,288	449,218
British Honduras ...	555,063	177,436
Canada	90,454,866	30,450,208
Newfoundland	1,354,731	336,303
British West Indies ...	8,953,023	11,943,280
British India	12,254,620	29,171,820
Hong-Kong	6,683,909	995,168
Australasia, Fiji, &c. ...	17,663,912	266,119
British Africa	13,761,552	939,806
	695,422,751	186,090,975

It thus appears that the British Empire takes from the United States more than half of her exports, while she gets scarcely a fourth of her imports from us. Germany is her next best customer, having imported $163,776,623-worth of American produce in 1898; and France is third, with less than half of the German purchases. It is well to note, before going further, that two-thirds of United States exports is composed of food-stuffs, while her imports were made up in 1898 of $366,595,549 of dutiable articles and $268,362,680 free, the former being a slightly increasing quantity and the latter largely decreasing. She exported $307,924,904 and imported $247,879,010 of manufactured articles. Broadly speaking, our American cousins go outside their own borders more and more for luxuries, and less for mechanical appliances; while the British Empire purchases from her sufficient to pay for the whole of the goods she imports, leaving the tidy sum of sixty million dollars in

hand. There is probably not one American citizen in ten thousand aware of that fact.

We cannot, until the complete report is available, state the exact figures respecting imports of goods connected with the drug-trade; but we give elsewhere the totals, and the following figures are a fair indication of what the British Empire supplies. They represent the British share in 1898. We supplied $70,906-worth of dyewood extracts (about a third of the imports); nearly a fourth of the crude opium—viz., $212,014; nearly all the prepared cocoa, valued at $255,338 (an increasing business); $18,825,030 out of $25,049,995 of spices; and, although the figures relating to chemicals, drugs, oils, and soaps and perfumery are not analysed, they amount to several millions of dollars, and the British Empire may be reckoned to supply not less than a third of them. This shows that, in spite of pessimistic utterances regarding American trade with us, there is good business to be done out there. It is not to be had by waiting for it, but by judicious push. The time is not far distant when the United States must reconsider her fiscal policy. Tariff-tinkering has demonstrated to leading American financiers that import-duties are unreliable for the purposes of national revenue, and experience of duties on medicines points to their being among the first products which should be treated as non-taxable commodities.

GOVERNMENT GLYCERINATED LYMPH.

We mentioned a few weeks ago, on the authority of the *British Medical Journal*, that the Government had under consideration a proposal to supply private medical practitioners with glycerinated calf-lymph. This, if carried out, would obviously kill private enterprise in that direction. We communicated with the Local Government Board about the matter, and have received the following reply:—

Local Government Board,
Whitehall, S.W.,
May 2, 1899.

Sir,—I am directed by the Local Government Board to acknowledge the receipt of your letter of the 7th ultimo, and to state that, under existing arrangements which have been entered into, the Board are, for the present, unable to take into consideration the expediency of extending the issue of their glycerinated calf-lymph to all registered medical practitioners.

I am, Sir,
Your obedient servant,
John Lithiby,
Assistant Secretary.

We may add that, under the new Vaccination Act, the Government undertake to vaccinate all children born in England and Wales, and if a certificate of vaccination by a private practitioner is not lodged with the Registrar within four months after the child's birth, a Government vaccination-officer calls at the parents' house, and offers to vaccinate the child free of charge.

WIRELESS TELEGRAPHY.

There has been considerable newspaper excitement regarding wireless telegraphy lately, although little has been done which Mr. Preece did not do a few years ago. *Nature* now puts the matter very plainly by saying that Marconi's system has now been before the public for nearly two years, but we have not heard of anything new from a scientific point of view since it was first published. The last report is that it is possible to direct the signals to one selected point. Two years ago it was said to be able to do the same thing by tuning. The fact is that we have in these repeated sensational experiments a pure scientific apparatus groomed by energetic financial speculators for their own individual gain, and not for the benefit of the public—the worst feature of this money-grubbing age."

PHARMACEUTICAL WIT.

There is nothing much sadder than the grotesque efforts of people to whom Nature has denied the saving sense of humour to be witty. There is no good reason why a trade journal should be everlastingly sombre, but it is far better that it should be this than that in the vain attempt to perform an elephantine dance it should tumble heavily into the ditch of vulgarity. To fling the epithet of "Balaam's ass" at a rival is not clever, unless some circumstance or correspondence justifying the simile is indicated. But there is point in the concise rejoinder which a correspondent sends us to the laboured paragraph, thus: "The ass that was wiser than its master." Here is another joker, who spends 8*s* or 10*s*. to perpetrate the following in the *Daily Chronicle* and the *Daily Telegraph* within the past few days:—

To inventors.—WANTED, for the use of limited liability drug companies, a MECHANICAL ARRANGEMENT, incapable of qualification, to facilitate the delivery, across the counter, of articles subject to the obstructive provisions of the Pharmacy Act, so as to afford a convenient means of free trade distribution. Very liberal terms offered for a machine that would secure immunity for companies. Apply to "Boots," care of Mr. John Smith, 123A Dashwood House, Broad Street, E.C.

The author of this *jeu d'esprit* has got a notion in his mind, but does not seem capable of expressing it with the necessary terseness to make it witty. His advertisement as it appears is an uncut gem, scarcely distinguishable from the ordinary pebble.

The Beery-al of One More.

A Ballad of the Pereira Medal Competition.

Not a sound was heard, no encouraging note,
As into the chamber he hurried;
No comrade was there to cheer with a shout,
Or compose him in case he was flurried.

He sat him down sadly at ten by the clocks,
His hair with his fingers twirling,
As though struggling to wake, by twisting his locks,
The brain over which they were curling.

No useless coughing escaped his breast;
The awe of the chamber spell-bound him;
But he sat like a mummy, respectably dressed,
While the clever ones scribbled around him.

Few and short were the answers he wrote,
For he speedily found, to his sorrow,
That of all he had read, not a tithe could he quote,
And he longed for the rest of the morrow.

He thought as a tear on his cheek made a scar,
And his bosom heaved up like a billow,
Of the crowd that would wait at the restaurant-bar,
And he wished he was home on his pillow.

Lightly they'll talk at the "Holborn," and grin,
And o'er his cold luncheon upbraid him;
But little he'll thank them for sending him in,
And think what a fool they have made him.

Not half of the questions he'd answered by one,
And that was the hour for retiring,
And he heard in the distance, "Time's up; have you done?
The solemn professor inquiring.

Slowly and sadly our hero withdrew,
With an aspect dejected and weary;
He slunk by the "Holborn," went on to the "Shoe,"
And stayed there until he was beery.

Syrupus.

The Winter Session.

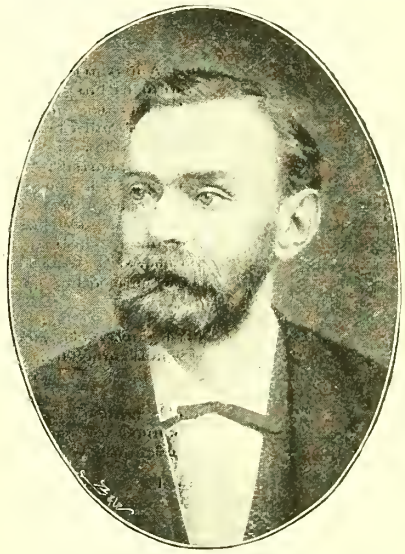
Society of Chemical Industry.

LONDON SECTION.

A MEETING of this Section was held on May 1 at Burlington House, Piccadilly, W., when Mr. H. DE MOSENTHAL read a paper on

"THE LIFEWORK OF ALFRED NOBEL."

On the wall of the room there was an immense chart giving a list of the British patented and provisionally protected processes (about 120 altogether) devised by Alfred Nobel, and by following this with the lecturer the audience were enabled to form a vivid idea of the fertile and evolutionary workings of the great chemist's brain. Alfred Nobel was born at Stockholm in 1833, his father, Emanuel Nobel,



THE LATE MR. ALFRED NOBEL.

being a naval engineer. Emanuel Nobel left for St. Petersburg in 1837, and shortly afterwards started a small engineering-works, where he engaged in the manufacture of submarine mines. In these gunpowder was fired by means of chlorate of potash, sugar, and sulphuric acid. He had also an idea that heated air was destined to supersede steam, and to fit his son Alfred to be of help to him sent him to be trained in the United States as a mechanical engineer.

ALFRED NOBEL'S FIRST PATENT

was in 1857, for an apparatus for measuring gas by the displacement of water. This was followed in 1859 by a process for measuring liquids by immersing in them a rod of soluble material. In 1859 Emanuel Nobel returned to Sweden, work being scarce at the engineering-works on the conclusion of the Crimean War, and he being also in some pecuniary difficulties. For the next few years both father and son seem to have devoted themselves to the study of explosives, and between them perfected the manufacture of nitro-glycerin, which Sobriero had discovered in 1847, the Nobel method consisting of the introduction of glycerin in the form of a spray by means of compressed air into the mixed sulphuric and nitric acids. The first works for the manufacture of nitro-glycerin were erected at Stockholm in 1861. The 1864 patent is a very long one, and shows that Nobel had experimented with and nitrated an immense number of substances; but the principal discovery was the fact that nitro-glycerin could be fired by an explosive, such as fulminate of mercury. The earlier method was to use a mixture of gunpowder and fulminate in a metal sugar-loaf-shaped receptacle, which gave place in 1867 to the copper detonator. About this time an explosion at the Stockholm works entirely destroyed the place, and not only killed Nobel's brother Edward and brought on paralysis in his father, but caused the Government to forbid the manufacture of nitro-glycerin at Stockholm.

WITH CHARACTERISTIC ENTHUSIASM

Alfred Nobel continued to make nitro-glycerin on a barge moored in the middle of the river, but soon was enabled to open new works at Lauenburg. In these early days explosions were unfortunately very frequent; Nobel thought they were due to the use of square tins in the sides of which there was a considerable amount of spring. It has since, however, been attributed to imperfections in the manufacture and leakage, the ready explosiveness of thin layers of nitro-glycerin not having been then recognised. These difficulties of transport Nobel tried to overcome by dissolving the nitro glycerin in wood-naphtha, but the subsequent precipitation by water was troublesome and unsatisfactory. It then occurred to Nobel to absorb the nitro-glycerin by charcoal to form a plastic mass, which led in 1866 to the use of kieselguhr, and thus the mixture, which has since become universally known as dynamite, was produced. The kieselguhr first used came from Oberlohe, and was in use at the works for packing the tins in the wooden boxes for transport. In 1874 Nobel gave his views and considerable information on the subject of high explosives before the Explosives Commission of the House of Commons; and in 1875, in a paper read before the Society of Arts, he gave particulars of the fifteen factories then making dynamite. These factories were then producing between them 3,120 tons of dynamite which, Mr. de Mosenthal said, was but a tenth part of what is being produced to-day. In 1873 Nobel settled in Paris and continued his chemical researches. In 1875 he patented his blasting-gelatin. This invention consists in gelatinising nitro-glycerin with about 7 or 8 per cent. of nitro-cellulose, and was the result of his search for a scientific explosive which should use up the excess of oxygen in nitro-glycerin. The nitro-cellulose is dissolved in the nitro-glycerin by heat, and possesses the advantage over dynamite in that it does not deteriorate by submerging in water, and the nitro-glycerin does not ooze out as it is apt to do from dynamite. Dynamite being three times more powerful than gunpowder, gelatin dynamite was under certain conditions found to be 46 per cent. stronger than dynamite. From 1878 to 1880 Nobel seems to have devoted himself to devising improvements in the petroleum-works at Baku which his brothers had started, and in which he himself had an interest. He devised a method of continuous distillation, and suggested the use of tank-steamers and pipe-lines for conveying the oil. Nobel, however, was still working on explosives, one of the patents being for a container for hygroscopic explosives. After 1885, when the contents of provisional patents were kept secret, Nobel deposited a large number; the contents of these, however, can only be judged by the titles. He took out patents for diluting nitro glycerin with tar oil, for smokeless powder made of nitro-cellulose, camphor, and nitro glycerin, combinations of picrates, and fire-extinguishing liquid. Nobel investigated a number of spontaneously igniting chemicals, some of them so fearful in their results that he told him (Mr. de Mosenthal) he intended taking the knowledge of them with him to the grave.

SOME OTHER PATENTS WERE

for the production of artificial indiarubber, incandescent lamps, a motor, a safety explosive—in which dextrin, black powder, and bicarbonate of soda were used, and a progressive powder composed of layers of explosives, the intensity of the explosive increasing from the outer layer to the inner one. This last one was deposited by Nobel's executors, Nobel dying shortly after he deposited the provisional specification. The lecturer alluded to Nobel's great wealth, and how he was able to buy up gun or steel works when he required them for his experiments. He also mentioned his historic case against the English Government in 1894, when Nobel's patent was found to be valid; but the case went against Nobel as the Government were not using soluble celluloses, but insoluble ones. Nobel, the lecturer said, considered himself much wronged over this case.

DISCUSSION.

Mr. BOVERTON REDWOOD (Chairman) said the paper was interesting and instructive, and he could speak from his own

nowledge of the benefit Nobel's inventions had been to the ussian petroleum-industry.

Dr. DUPRÉ spoke of the personality of Nobel. He was, e said, a pleasant and polite companion, but most obstinate. Ie felt bound to say that Nobel was harshly dealt with by he Government, but, on the other hand, he could not he'p hinking that Nobel did not meet them fairly.

Mr. GUTTMANN, who had been a manager of one of the obel factories, spoke of the business habits of Nobel, his ethod of visiting his factories every year, and a little eculiarity he displayed in approaching the works by back ays, often scaling a fence or wall, and on that account etting into trouble with watchmen who did not know im. He would like to mention one idea of Nobel's that as of much importance. It was that he looked for a time f universal peace, and held the opinion that the more eadly explosives became the less chance there would be f war.

Mr. CROSS alluded to the interest Nobel took in the lluloid-industry. He also spoke of his literary ability, and ow Nobel once read to him a couple of acts of a play he had ritten.

Mr. DE MOSENTHAL briefly replied.

YORKSHIRE SECTION.

r the Bradford Technical College, on April 27, a meeting as held to hear a lecture by Mr. CHRISTOPHER RAWSON, I.C., F.C.S., Chairman of the Yorkshire Section, on

THE CULTIVATION AND MANUFACTURE OF INDIGO IN BENGAL.

Mr. Rawson, in the course of his lecture, said about two-ths of the world's produce of indigo came from Bengal, and e industry there gave employment to over a million rsons. Mr. Rawson provided his audience with statistics to the exportation of indigo from India and distribution various parts of the world. The latter showed that Eng-nd was still by far the largest consumer of indigo. The nited States came next, taking about a third as much as as imported into England. The production of indigo India, and its absorption by various countries, had steadily own during the last twenty-one years, notwithstanding the mpetition of artificial dyes.

Dewsbury Chemists' Association.

r a meeting of this Association held on May 1, Mr. A. ster presiding, the SECRETARY (Mr. R. Gledhill) read a ter from Mr. Cowley, Secretary of the Federation of Local armaceutical Associations, thanking the Dewsbury Asso-ation for copies of their appeal against the Lord Chan-llor's Bills, and asking for more copies. Mr. Cowley said e appeal was a good one, but he would like to have seen emphasised more that directors of companies were really anagers of businesses. Mr. Gledhill also read a letter m the Pharmaceutical Society suggesting that action garding the Lord Chancellor's Bills should be deferred til the proper time, when the Secretary would communicate th the Association.

The CHAIRMAN said he thought they ought to do some-ing to strengthen the hands of the Pharmaceutical ciety.

In answer to Mr. R. Broadhead (Balley), the CHAIRMAN d copies of the appeal—a summary of which has already peared in THE CHEMIST AND DRUGGIST—have been sent the active members of the House of Lords.

Mr. W. STEAD (Heckmondwike) agreed with the Chairman at they ought to use their endeavours to prevent the Bills ing passed. If every association had done what the wshury Association had done promptly and energetically ey would have made an impression on the House of Lords. ey could assist the Pharmaceutical Society, and do a little on their own account besides. If they allowed these ls to be read a second time without protest, they might well dispense with the Dewsbury Association at once.

Councillor SMITH WARD (Batley Carr) also agreed that y were called upon to assert themselves, and they could y do that by protesting against these Bills. If the armaceutical Society would not appaoach members of liament, then let local Associations do so.

Mr. J. W. CUSSONS (Ossett) reported the work of the sub-committee in drawing up the appeal. He also acknowledged the assistance of the Editor of THE CHEMIST AND DRUGGIST in furnishing him with the names and private addresses of the active members of the House of Lords. He had received a letter from Lord Tweedmouth, dated April 25, 1899, as follows:—"Lord Tweedmouth presents his compliments to Mr. Cussons, and begs to thank him for the enclosure. He will look into the provisions of the new Pharmacy Bill, about which he is at present quite uninformed." (Hear, hear, and laughter.) Mr. Cussons said THE CHEMIST AND DRUGGIST had done a lot for the Association in this matter.

On the proposition of Mr. STEAD, seconded by Mr. WARD, a vote of thanks was passed to Mr. Cussons for his work in connection with the appeal.

The CHAIRMAN next proposed a vote of thanks to the Editor of THE CHEMIST AND DRUGGIST for assisting the Association in the matter. It was one of those kind acts to which they could look back with pleasure.

Mr. GLEDHILL said he had received a letter from the Secretary of the North-east Lancashire Association asking the Dewsbury Association to ignore THE CHEMIST AND DRUGGIST altogether, as it was only a paper for "Dick, Tom, and Harry."

Mr. BROADHEAD said certain Associations had got cross with THE CHEMIST AND DRUGGIST, which, at one time, advocated the passing of the very Bill introduced by the Lord Chancellor, and which chemists now so much deplored. THE CHEMIST AND DRUGGIST rated everybody for missing an opportunity of securing the measure. He, however, had great pleasure in seconding the motion, as THE CHEMIST AND DRUGGIST had rendered good service to the Dewsbury Association.

Mr. W. STEAD said he did not gather that THE CHEMIST AND DRUGGIST was wedded to the form of amendment to the Act brought in by Lord Halsbury. The point raised by the paper was that it was a pity an opportunity should be lost of discussing the question.

The resolution was passed unanimously.

In further discussion, Mr. BROADHEAD said he did not think the Pharmacy Bill should be amended; it ought to be ended! The CHAIRMAN, however, said if it were amended in accordance with the wishes of chemists they would be satisfied. He would now suggest that they pass a resolution to the effect that they were willing to assist the Pharmaceutical Society in any action they might take. After some discussion this was agreed to, and the meeting afterwards decided to recommend chemists to support the election of the following as members of the Council of the Pharmaceutical Society:—Messrs. W. S. Glyn Jones, J. R. Young, M. Carteighe, J. F. Harrington, A. S. Campkin, J. Harrison, and J. Smith.

Edinburgh Chemists', Assistants', and Apprentices' Association.

THE annual meeting of this Association was held on April 26, Mr G. H. C. Rowland (President) in the chair.

The Prize Committee reported that the Ewing Pharmacy Prize had been gained by Mr. George W. P. Grainger, 6 Polwarth Crescent. The second prize, presented by Mr. William Aitken, had been gained by George Mack, 119 George Street, Edinburgh. The President presented the Ewing prizeman with the British Pharmacopœia Newth's "Chemistry," Edmond's "Botany," and Ince's "Latin Grammar"; and the Aitken prizeman with the British Pharmacopœia. A slightly increased membership and a balance in hand of 7*l* 4*s*. 6*d* were reported. One guinea was voted to the Benevolent Fund of the Pharmaceutical Society. The following officers were elected for next session:—President, Fraser McDiarmid; Vice-President, David Harley; Secretary (vacant); Assistant-Secretary, D. B. Kidd, 139 Princes Street; Treasurer, Alexander McCutcheon; members of committee, Messrs. Grainger, McBain, Mack, Plenderleith, Reid, Rowland, G. Sinclair, and J. D Sinclair; Prize Committee, J. L. Reid, G. H. C. Rowland, and George Sinclair.

THE LORD CHANCELLOR'S PHARMACY BILL.

Mr. C. F. HENRY, in a paper on this Bill, expressed regret that the Pharmaceutical Society had never sought to

ascertain by a direct case in England whether companies were legally entitled to use the protected titles. Referring to the "Suggestions," he said that when the Lord Chancellor asked the Pharmaceutical Society to make them, the President invited the advice of the trade. The result was a demand, on the part of chemists, for a series of enactments, some so extraordinary that it "passed the wit of man" to understand how the proposers could ever expect they would be granted. Yet the Council sent many of them on—reasonable and unreasonable—to the Lord Chancellor, and, like an overloaded and undermanned ship, they have not again been heard of. The Bill actually introduced would legalise the use of titles by companies, and because of this, if for no other reason, it should have the most uncompromising opposition of all chemists. But they ought to have some alternative proposals to make to the Lord Chancellor. In framing such proposals, it cannot be too strongly urged that our demands should extend so far as and no farther than the safety and general good of the public requires. It would now, he thought, be impossible to stop companies selling and dispensing poisons. They are not only standing on a legal decision in their favour, but most of them have been so long established that they may with reason claim to have a prescriptive right to exist. Their shareholders and supporters would vastly outnumber chemists. The majority of the members of the House of Commons are interested, financially and otherwise, in some of them; and they have recently formed an association among themselves, with a capital of 10,000*l*, to defend their rights. What can be done, however, the speaker argued, is to register them, making them subject to all the penalties which registered men are at present subject to. Allow them to use the titles, but only in connection with the name of the qualified manager or assistant of each shop or drug-department, that name to be exhibited on every shop and used on all labels of the company. Branch shops of chemists should also come under such a regulation.

Mr. C. A. Macpherson agreed with Mr. Henry up to a certain point, but thought it would be a mistake to go halfway to meet the companies. He would wait till they had to do so. He doubted whether the effect of the 1880 judgment of the House of Lords was to legalise companies. It was only decided that they could not be fined. They could not be said to have any vested interest in the selling of poisons.

Mr. George Sinclair supported Mr. Henry's proposal, and objected to the intention of the Pharmaceutical Council to oppose the Medical Bill unless chemists were included.

Mr. McDiarmid moved, and Mr. J. D. Sinclair seconded—

That this Association resolves to cordially support the Council of the Pharmaceutical Society in any action which it may take to oppose the Lord Chancellor's Pharmacy Bill, 1899.

This was carried.

Society of Arts.

The lecture-theatre of the Society of Arts was crowded on Wednesday night by an audience who had come to hear Mr. W. H. Preece, chief electrician of the Post Office, read a paper on

Ætheric Telegraphy.

Sir Juland Danvers was in the chair. Mr. Preece began by explaining that the term "ætheric telegraphy" was used as the result of evolution. Wireless or space telegraphy and electric signalling he had abandoned in favour of the one he was now using. He reminded the audience that in 1894 he predicted that electro-magnetic disturbances were destined to be turned to some practical uses, and he came there that night to show the attainment of that object. In March, 1895, communication was maintained between the Island of Mull and the mainland by ætheric telegraphy, when the connecting cable was temporarily broken, and was perfectly satisfactory. In 1896 a cable was laid for the War Office between Lavernock and the Flatholm in the Bristol Channel. The cable, however, owing to several circumstances, was especially liable to breakage, and speedily broke. It was then decided to replace the cable by an ætheric telegraph, which has been in daily use since the beginning of 1898. The principle on which the system was worked was then shown. A small motor connected with a Morse apparatus and a long coil of wire was set working, and a coil of wire connected with a telephone brought in range of the electric disturbance. The telephone gave out very loud messages, which could be interpreted by dots and dashes without any difficulty. The methods of calling attention of the operator were next mentioned, that used at Lavernock, an invention of Mr. S. Evershed, consisting of the setting up of vibratory currents in two loops of fine wire oscillating in a magnetic field of low frequency. Professor Oliver Lodge's way, which the Post Office are trying, is to make the coil of the telephone vibratory instead of the diaphragm, and transmitting these vibrations to a sound-board. Mr. Preece then alluded to the use of the Hertzian waves as used by Marconi in place of the electro-magnetic waves used by the Post Office. An induction coil is used. The primary circuit contains an accumulator and a Morse key, the secondary circuit ending in a radiator composed of two metallic spheres between which sparks pass. One sphere is earthed and the other connected to a vertical wire, whose length varies with the square root of the distance through which it is wished to communicate, the wire being suspended by a pole or mast. The method is very similar to the heliograph method, except that instead of light being visible to the eye the Hertzian (or Maxwellian as Mr. Preece prefers to call them) waves ring a bell and appeal to the ear. The waves are detected by a coherer, which is absolutely ridiculous in its simplicity, in that it is merely a tiny glass tube, 1½ inch long, fitted with two pole-pieces, the space being occupied by a mixture of silver and nickel fillings, and the air exhausted. In the normal state the particles touch each other anyhow, but when a current is passed through the tube they arrange themselves in order or cohere and make part of the circuit of a battery. A sound can be thus produced, or written signals recorded. The Post Office concluded after experiments that the system is practical, and have offered to use the method between Sark and Guernsey, and between the South Sand Head Lightship and Dover; but the Wireless Telegraph Company seem to prefer to concentrate their operations on the Stock Exchange than upon the business establishment of useful circuits. Marconi's system was nowhere compared with the cable, for whereas 2,500 words a minute can be sent to France by a single cable, the Marconi circuit can only transmit twenty words a minute. In the

DISCUSSION

several interesting points were noted. As far back as 1854 Mr. Lindsay of Dundee sent messages across the Tay without wires, but he used the water merely to complete the circuit. Mr. Gerry, who has been helping Mr. Preece, mentioned that once in signalling across Loch Ness he tried the effect of speaking into the telephone at his end, and his voice was distinctly heard in a telephone at the receiving-station without there being any connection. One gentleman made invidious comparisons between the telegraph system of Denmark and England; to which Mr. Preece said it was a pity that, before persons wrote to newspapers about such matters, they did not find out the real state of things. He had been to Denmark and found that one or two lighthouses were connected with the mainland by telegraph, and that much was made of that fact, whereas, in England, there was not a lighthouse that was not fitted with a telephone to the nearest lifeboat-station. The English Government spends 10,000*l*. a year in maintaining the electric connections, and they had given the lecturer a free hand to experiment and spend to his heart's content. The relative power required for the two systems was the same, the lines of electro-magnetic force in his system and the lines of electro-static force in the Marconi system being identical.

Royal Institution.

The annual meeting of the members of the Royal Institution was held on May 1, the Duke of Northumberland (President) presiding. The annual report of the Committee of Visitors and the report on the Davy Faraday Research Laboratory were read. Fifty-eight new members were elected in 1898.

The following were elected officers for the ensuing year:—President, the Duke of Northumberland; Treasnrer, Sir James Crichton-Browne; Secretary, Sir Frederick Bramwell, Bart.; Managers, Sir Frederick Abel, Bart, Sir William Crookes, the Duke of Devonshire, the Right Hon. the Marquis of Salisbury, the Right Hon. the Earl of Halsbury, Dr. W. C. Hood, Professor D E. Hughes, the Right Hon. Lord Kelvin, G.C.V.O., Mr. A. B. Kempe, Mr. H. Leonard, Sir Andrew Noble, K C.B., Mr. A. Siemens, Mr. B. W. Smith, Mr. W. H. Spottiswoode, and Sir Henry Thompson, Bart.; Visitors, Mr. W. H. Bennet, Mr. A. Blyth, Mr. M. Horner, Mr. E. Kraftmeier, Lt.-Col. L. W. Lorgstaff, Mr. F. McClean, Mr. H. F. Makins, Mr. L Mears, Dr. R. Messel, Mr. L. M. Rate, Mr. J. C. Ross, Dr. W. J. Russell, Mr. A. G. Salamon, Sir James Vaughan, and Mr. J. J. Vezey.

The PRESIDENT announced that in the month of June next the Royal Institution of Great Britain would complete one hundred years of its existence, the first meeting of its members in the bnilding in Albemarle Street having been held on June 5, 1799 The managers have decided to celebrate this event by the delivery of two commemoration lectnres. The first of these lectures will be delivered at 3 o'clock on June 6 by Professor Lord Rayleigh, when his Royal Highness the Prince of Wales, Vice-Patron of the Institution, will preside; the second at 9 o'clock on the evening of June 7, by Professor Dewar, when his Grace the Duke of Northumberland will preside. It was further announced that the Lord Mayor had consented to give a reception to the members, foreign guests, and representative men at the Mansion House on the evening of June 6.

Professor DEWAR made a brief reference to the recent scientific work of the Royal Institution, and announced that having obtained liquid hydrogen in considerable quantity he had directly determined its temperature and other physical constants. He also took occasion to warn the public against absurd exaggerations as to the properties of liquid air, which, originating in America, found their way into popular magazines in this country.

Business Changes.

Notices of changes in the retail trade, and opening of new businesses, are inserted in this section free of charge, if properly authenticated.

MR. J. VICTOR KISSELL has purchased the business lately carried on by Mr. J. W. Taplin at 298 Harrow Road, W.

MR. HENRY SCOTT, M.P.S, S M C., has purchased the pharmacy lately carried on by Messrs. Barton & Son at 87 Edge Lane, Liverpool.

MR. H. E. CLEMENT, chemist, Hampton Hill, has recently had his shop enlarged and entirely refitted. Mr. H. Mills, Old Street, E.C., effected the alterations.

MR. H. W. LLOYD has opened a new pharmacy at 72 High Street, Bala, North Wales. The entire fittings have been supplied by Ayrton & Saunders, Liverpool.

MR. S. H. TOTTLE, chemist, of Liscard Road, Liscard, has taken over, and will carry on as a branch, the business formerly carried on by Mr. A. Dand at 119 King Street, Tregremont, Cheshire.

Mr. JOHN GREEN has retired from the chemist's business lately carried on by himself and son in Swindon, and has been succeeded by his nephew, the title of the firm now being J. H. Green & Co.

MR. H. SPENCER FARGHER, chemist, Cardiff, has removed from 300 Bute Street to more commodious premises at Caroline Street in that town. New fittings have been supplied by Messrs. Southall Brothers & Barclay, Birmingham.

THE PARTNERSHIP hitherto existing between Messrs. Henri Vogt and Gustav Herbst, who traded as Vogt, Herbst & Co., drug and chemical merchants, at 6 Rood Lane, E.C., has been dissolved. The business in future will be carried on by Mr. Henri Vogt, under the title of Henri Vogt & Co., at the same address.

Legal Reports.

Chemical Patents.—Matches without Phosphorus.

IN the Chancery Division, on April 28, before Mr. Justice Stirling, an injunction was asked for in the case of Fradd *v.* Akester and another, to restrain the defendants from dealing with two patents for a new process for making matches without phosphorus.

Mr. Butcher, Q C, M.P., and Mr. Buckmaster appeared for the plaintiff, Mr. Ribton for the defendant William Hopkins Akester, and Mr. Hart for the co-defendant Professor Silvanus Thompson.

Mr. Butcher said the defendant Mr. Akester was a working chemist, and the plaintiff (Mr. Fradd) was a gentleman who had been financing his inventions. In May, 1898, Mr. Akester invented a process which was thought to be of some value for making ethyl hydroxide, or alcohol, and this was brought under plaintiff's notice by Professor Silvanus Thompson, and an agreement with reference to it was signed in June, 1898 In the course of work on that invention a snbstance was alighted upon, one of the waste products, which was of a highly inflammable nature—viz, acetylite of copper. It had been known before, bnt apparently had not been produced in this particular way. Its inflammable nature snggested its use as a match-composition in the place of phosphorus; and his Lordship would realise that if a match could be made of a harmless material, which would be a substitnte for phosphorus, it would be a very beneficial thing for both match-makers and consumers. Under these circumstances Mr. Akester worked at this new composition for a match-point, and on September 29, 1898, an agreement was signed between Akester and Professor Thompson on the one hand, and Fradd on the other, the effect of which was that the three constituted a sort of partnership in the invention "and all improvements therein." Fradd was to provide money for the development and working of the invention, taking-out of patents, &c., certain interests being created in the invention which became the joint property of the three. It was contemplated that the mode of dealing with the invention eventually would be to form a syndicate and sell the whole venture to a company, when the consideration would be divided in proportion to the interests of the parties in the invention. What happened was this: It was shown in plaintiff's evidence that he had already paid about 110*l.*, to carry out the invention. He was prepared to pay more, when unfortunately difficulties arose, and the development of the invention had been arrested. In making the necessary experiments with the invention it was found that it was necessary to introduce some slowing, or "taming," material into the match-composition: when made in accordance with the specification it was too readily explosive for the purpose. Accordingly it was determined to file a new specification which, while substantially agreeing with the old specification, introduced what was believed to be an improvement by this slowing-process. This discovery of the slowing-process, if it was one, was apparently made by Professor Thompson, but he agreed to its being patented in the name of Akester, with whom he was working; but Mr. Fradd paid the patent-agent's fees for the second specification. A doubt arising whether the original agreement of September included the second specification, the plaintiff's evidence was that Professor Thompson sngested that Akester should sign a document to make it clear. A letter was signed by Akester, and counsel held that the only reason conld be to bind him to the view held by the others in the venture. Towards the end of February, however, Akester wrote withdrawing his previous letter, and offered to repay the plaintiff the sums he had paid on the footing of the agreement of September, and to take his patent back. Of course the only reply was that he would be held to his bargain, and then he wrote in March to Mr. Fradd threatening to sell his second invention. It was now disputed that the second invention came under the agreement of September, but counsel asked his Lordship, if he could not settle the question on an interlocutory application, at least to say, after he had heard the evidence, that there

was a serious question to be tried whether these inventions were not joint property, and then to keep the matter *in statu quo* until the trial. Otherwise the plaintiff might find at the trial that the invention had gone. The only reason why the non-phosphorus match had not been put on the market was that the invention was not yet in a marketable form; but plaintiff, had reason to anticipate that it would be a success.

After the reading of affidavits at great length, the case turning on whether, on its proper construction, the agreement covered the second invention as an "improvement," or whether it was a separate invention,

Mr. Justice Stirling said he would reserve his judgment. This was given on Monday, granting the plaintiff an injunction until the trial or further order.

Wine-licences and Branch Shops.

Mr. E J. Pleasance, grocer, was summoned last week at the Salford Police Court by the Excise authorities for having sold wine and spirits without a licence. The defendant is the proprietor of several shops some of which are, and some are not, licensed. An Inland Revenue officer went to one of the unlicensed shops and ordered a bottle of wine and a bottle of whisky along with certain groceries. The assistant explained to him at the time that they kept no wines or spirits in that shop, but promised that the order should be executed from one of their licensed shops. This was done, the wine and spirits being delivered at the officer's house the next morning. Mr. Patterson, who appeared for the Board of Inland Revenue, referred the Magistrate to the case of Stallard *v.* Marks tried in the Court of Queen's Bench about twenty years ago, in which it was held that "where a place is set apart for the taking of orders for wines and spirits a licence was necessary, although no stock might be kept there." Mr. Makinson, Stipendiary Magistrate, said in the face of that decision there must be a conviction. He did not think, however, this was a bad case, and considered the assistant had erred in ignorance. There would be a fine of 20*s* and costs in respect to the spirits, and 10*s*. and costs for the wine.

[For further advice on the point of law involved in the above case, and for reference to more recent cases, see an answer to a correspondent in *C. & D.*, November 26, 1898, page 877]

Sale of Food and Drugs Act.

Gregory's Powder.

At Otley, on April 28, John Naylor, chemist, of Menston, was fined 5*s*. and costs for selling Gregory's powder which was not compounded according to the British Pharmacopœia.

Borax.

At Rugeley Petty Sessions, on May 2, George Averill, chemist, of Market Square, Rugeley, was charged with selling powdered borax adulterated with 100 per cent. of carbonate of soda. Defendant said his assistant had served bicarbonate of soda in mistake for the borax, which he had taken out of a new cask The Bench considered defendant had no intention to defraud, but that a very serious mistake had been made, and fined him 1*l*. and 2*l*. 7*s*. costs.

Sweet Nitre.

In the West Riding Police Court, on May 2, Mrs. Caroline Vickers, grocer, Kippax, was summoned for selling sweet nitre deficient in nitrous ether. The deficiency was 1·19 per cent. of nitrous ether, as against 1·75 per cent., the prescribed minimum. Mrs Vickers said she sold the sweet nitre as she received it from Messrs. R. S. Brownhill & Sons, wholesale druggists, Leeds. Mr. G. S. Brownhill was called, and said he purchased the nitre in the first instance from Messrs. Bleasdale (Limited), of York. He ascribed the decrease of nitrous ether to evaporation. His firm warned small shopkeepers against purchasing large quantities of the spirit, which was very volatile on this account. He had no doubt it evaporated while in Mrs. Vickers's possession. Mr. Melmore, laboratory manager at Messrs. Bleasdale's, said they sent out the sweet nitre at $2\frac{1}{2}$ per cent. He agreed that it had evaporated while Mrs. Vickers had it in her shop. The Bench warned small shopkeepers against keeping sweet nitre in any but small quantities to avoid evaporation. No fine was imposed, but defendant had to pay the costs. The magistrates suggested that as defendant was a widow in a small way of business perhaps the two firms connected with the case might see their way to assist her with the costs, which were somewhat heavy.

Samuel Sharper, grocer, Kippax, was summoned for a similar offence. In this case the percentage of nitrous ether was 1·03, or four-sevenths, of the minimum proportion. The defence was identical with the previous case, defendant stating that he purchased the nitre from Messrs. Goodall, Backhouse & Co. Defendant was ordered to pay the costs. The defendants in each case declared emphatically that they would never again sell sweet nitre.

At Halifax, on April 29, Joe Dyson, King's Cross, Halifax, was summoned for selling adulterated spirit of sweet nitre, which the public analyst stated contained only ·88 per cent. of nitrous ether, instead of $1\frac{3}{4}$ per cent as the B P. required. On behalf of the defendant, it was submitted that the article was purchased from a wholesale firm in Blackburn in June last, and the bottle was labelled "Pure Sweet Spirit of Nitre—warranted B P." It was contended that this label was sufficient protection for the retailer, and a large number of cases were quoted in support of the contention. Eventually the Bench decided that the defendant had exercised every possible care, and that the label was a warranty sufficient to protect him, therefore the case was dismissed.

A Managing Director's Position.

At the Clerkenwell County Court, on Tuesday, before Judge Edge, Q C., the judgment summons Brimsmead against Lewin was heard. Mr. Burnard, who appeared for the plaintiff, explained that the defendant was the managing director of a company.

His Honour: Yes; but sometimes companies don't pay?—This one does.

His Honour: What company is it?—The Medicinal Capsule Company, Euston Road.

His Honour: And he is the managing director, and does not pay a paltry debt like this!—He always says that he cannot, but his pay must be in the region of 200*l* per annum.

His Honour: He would not remain as managing-director unless he was paid well. I do not believe that he cannot pay, so I will make an order for the payment of the amount by 10*s*. monthly instalments, or in default, thirty days' imprisonment.

The Pharmacy Act.

Oxalic Acid.

On Tuesday, at the Bloomsbury County Court, before his Honour Judge Bacon, K. E. Kershaw, oilman, of Curtain Road, Shoreditch, was sued by the Pharmaceutical Society for 5*l*, a penalty incurred for selling oxalic acid without being authorised to do so.

Mr. Vaughan Williams, counsel for the Society, said the defendant supplied three-halfpennyworth to an inspector. It would poison twenty persons if properly distributed.

Judge Bacon: You mean improperly distributed. (Laughter)

The defendant's representative said their trade was distinctly a wholesale one. They sold about half-a-ton a month.

His Honour: If you serve Tom, Dick, and Harry with halfporths across the counter you would have no record. The man would leave it on the dresser and his children would put it in the teapot and poison the rest of the family, and the sale could not be traced.

The Representative: Ours is not a retail shop.

His Honour: You did retail it. Call it prosecution or persecution if you like.

The Representative: I would rather call it by the latter name. We had no idea we were transgressing the law.

Judgment was given for the Pharmaceutical Society for the amount claimed.

Bankruptcies and Failures.

Re WILLIAM HENRY LAKE, Mere View Road, Leicester, trading at 83 and 87 Overton Road, Humberstone, as the Ammonia Soap Company.

APPLICATION for discharge was made by this debtor at Leicester Bankruptcy Court on April 26. Debtor's solicitor produced a doctor's certificate to the effect that debtor was unable to attend the court, and asked for an adjournment. The Official Receiver also applied for an adjournment, saying that it was a case in which the debtor ought to be present. The debtor's career since his failure eight years ago would have to be satisfactorily explained. One or two of the creditors have recently been making investigations, and discovered that at the present time debtor had four or five shops in the town in his wife's name. It was stated that the debtor was simply managing a shop for his wife, for which he received 2*l.* per week. The application was then ordered to be adjourned.

Re JAMES LANCASTER, 35 Railway Street, Nelson, formerly of Burnley, Lancs, Artificial Teeth Manufacturer.

THE public examination of this debtor took place on April 28, at the Burnley Bankruptcy Court. Replying to questions put by the Official Receiver, the debtor stated that his present position had been caused entirely through want of capital and bad trade. Debtor was questioned at some length with regard to moneys he had borrowed. He stated that he borrowed 7*l.* from a solicitor, and repaid 14*l.* for same. He borrowed 4*l.* from a money-lender and repaid 5*l.* 18*s.* His deficiency, as shown in his statement of affairs, amounted to 64*l.* Eventually the examination was adjourned.

Re SOLOMAN POLINSKY, 172 Brick Lane, Spitalfields, Soap Patentee.

THE first meeting of creditors was held at the London Bankruptcy Court on May 2. The accounts filed under the proceedings show total liabilities 1,104*l.* 14*s.* 5*d.*, and net assets 31*l.* 13*s.* 3*d.* The debtor, a Russian Jew, came to London in 1889, and commenced business at Coxon Place, Paradise Square, E. He subsequently entered into partnership with a Mr B. Israel, of 174 Brick Lane, to work a patent soap-making machine, the object of which was to make the name of the manufacturer appear throughout the tablet. The debtor, who was to have one-third share of the profits derived from the patent, contributed 150*l.*, but the patent was not a success. The debtor attributed his failure to the loss sustained in connection with the patent, to loss in a speculation in a Jubilee picture, losses by betting, the expenses of himself and family, and to liabilities on guarantees for others. The case was left in the hands of the Official Receiver to be wound up in bankruptcy. The public examination is fixed for June 2.

Re HARRY BENTINCK BUDD, Charters Towers, Lingfield, Surrey, Patent-medicine Manufacturer and Vendor.

IN this failure, in which the liabilities amount to 10,963*l.* 17*s.* 3*d.*, of which 10,110*l.* 6*s.* 9*d.* is expected to rank for dividend, and assets estimated to produce 993*l.* 12*s.* 4*d.*, the following are the London creditors :—

	£	s.	d.
Allingham, T.	47	8	11
Arrowsmith & Co.	132	11	6
Belcher, W.	1,487	12	10
Berry & Sons	218	8	10
Bingham & Co.	86	17	6
Moore, A. L.	30	15	8
Rownson, Drew & Co.	73	0	0
Scott, H. A.	72	19	11
Strode & Co.	677	1	0
Westley, Richards & Co.	54	9	9
White, A. J.	11	15	3

Besides these there are a considerable number of local creditors, the Capital and Counties Bank, East Grinstead, being fully secured for 779*l.* 8*s.* 10*d.* Rates, taxes, wages, &c., amount to 67*l.* 1*s.* 8*d.*

Deeds of Arrangement.

Boyes, George Anderson, The Laboratory, and 2 Belfast Street, Halifax, manufacturing chemist. Trustee, Joe N. Lister, Silver Street, Halifax, accountant. Dated, April 20; filed, April 24. Liabilities unsecured, 533 18s 6*l.*; estimated net assets, 304*l.* 6*s.* 8*l.* The following are scheduled as creditors :—

	£	s.	d.
Byles, W. P., & Son, Bradford	24	0	0
Crown Advertising Company, Huddersfield	22	0	0
Daily Argus, Bradford	12	0	0
Dewsbury Reporter (Limited), Dewsbury	19	0	0
Eastwood, Albert, Halifax	150	0	0
Elliott, T., & Sons, Halifax	20	0	0
Gill, William, Sowerby Bridge	10	0	0
Goodall, Backhouse & Co., Leeds	18	0	0
Harrison & Waide, Leeds	27	0	0
Murgatroyd, —, Heaton	20	0	0
Penrith Times, Penrith	14	0	0
Senior & Co., Heckmondwike	12	0	0
Tyson, George, Halifax	20	0	0

Harrington, Philip John, 89 Linthorpe Road, Middlesborough, chemist and druggist. Trustee, Frederic J. Forster, Albert Chambers, Albert Road, Middlesborough, chartered accountant. Dated, April 22; filed, April 27. Liabilities unsecured, 1,199*l.* 3*s.* 2*d.*; estimated net assets, 369*l.* 18*s.* 9*l.* The following are scheduled as creditors :—

	£	s.	d.
Applebly, Miss, Redcar	250	0	0
Ayrton & Sanders, Liverpool	10	0	0
Baker Brothers, Middlesborough	10	0	0
Barron, Harveys & Co., London	12	0	0
Bleasdale (Limited), York	60	0	0
Cuxson Gerrard & Co., Oldbury	11	0	0
Daisy (Limited), Leeds	11	0	0
Eaton, W., Middlesborough	46	0	0
Haywood, J. H., Nottingham	11	0	0
Heath & Co., London	15	0	0
Hill, J. H., Middlesborough	17	0	0
Hirst, Brooke & Hirst (Limited), Leeds	10	0	0
Hodgkinson, Clarke & Ward, London	26	0	0
Ismay, John, & Sons, Newcastle-on-Tyne	67	0	0
Kindra, J., Middlesborough	31	0	0
Liverpool Lint Company, Liverpool	10	0	0
McDonald, C., Middlesborough	10	0	0
Maw, S., Son & Thompson, London	39	0	0
Renner, C., London	10	0	0
Smith & Co., London	14	0	0
Southall Brothers & Barclay (Limited), Birmingham	32	0	0
Wilkinson & Simpson, Newcastle-on-Tyne	59	0	0
Bankers' claims	152	0	0

Gazette.

PARTNERSHIPS DISSOLVED.

Kingsford, A. E., and **Rake, S. T.,** Chepstow, manufacturing non-alcoholic cider, cider, mineral waters, and beer-merchants.

Lonsdale, A., and **Lonsdale, H.,** under the style of Lonsdale Brothers, Goswell Road, E.C., photographic-apparatus manufacturers.

THE BANKRUPTCY ACTS, 1883 AND 1890.

RECEIVING ORDER.

Fletcher, William John Harvey, Uttoxeter, physician and surgeon.

ORDER MADE ON APPLICATION FOR DISCHARGE.

Bradbury, David Addison, Lindley, Huddersfield, surgeon—discharge granted conditionally.

THE MEDICAL PRELIMINARY EXAMINATION is fully described in Dodd's "Guide," published at the office of the *C. & D.*, price 2*s.* 6*d.*; by post 2*s.* 9*d.*

A DAVY MEMORIAL.—The Faculté des Sciences of Geneva will next winter award a prize of 500*f.* to the author of the best essay on some specified scientific question. This prize, which is given biennially, was established nearly seventy years ago, and is provided out of the interest of a sum of 100*l.* given by the widow of Sir Humphry Davy in remembrance of her distinguished husband, who died at Geneva in 1829 when on his way home from Italy.

Westminster Wisdom.

Ozone for M.P.'s.

Influenza is so prevalent amongst members of the House of Commons at present that Sir John Leng, the member for Dundee, thinks the microbe has become indigenous to the lower chamber, and he wishes her Majesty's Office of Works to disinfect the chamber with ozone. The allotropic oxygen would certainly make the atmosphere of the chamber more exhilarating, and might accelerate legislation; but we question if it would harm the influenza-microbe. The Government do not seem to encourage the idea. They say an apparatus would cost some thousands of pounds, and it is suggested that opening the windows might have as good an effect. Sir John Leng should try his ozone on the Lord Chancellor first; he has been infected with the *bacillus pharmaceuticus destructicus*, and the effects are imperilling the safety of the public.

The Sale of Food and Drugs Bill.

At the meeting of the Standing Committee on Trade on April 27 Clauses 2 and 3 of the Bill were passed with amendments. The first amendment adopted was one moved by Mr. Kearley. It provided that when a sample of food is taken by direction of the Local Government Board or the Board of Agriculture the sample purchased should be divided into four parts instead of three, the fourth part to be sent to the Local Government Board or the Board of Agriculture, as the case may be. It is not yet settled which Board is to administer the Act. Mr. Grant Lawson tried to get a provision inserted throwing the expense of proceedings instituted by the central authority on the Government; but Mr. Long refused to accept any such responsibility under any conditions. He said the central authority would only take proceedings in localities where the local authority failed to carry out the Act, and the proposed amendment would be a direct encouragement to local authorities to refuse to take action. The amendment was withdrawn. A new sub-section was introduced into the clause, on the motion of Sir Charles Cameron, as follows:—"Any public analyst appointed under the Sale of Food and Drugs Act shall furnish such proof of competency as may from time to time be required by regulations which shall be framed by the Local Government Board." On Clause 4, which, as drafted, gives the Board of Agriculture power, "after such inquiry as they deem necessary," to make regulations for fixing tandards for milk, butter, or cheese, Sir Charles Cameron and Mr. Kearley had put down several amendments designed to extend this provision to "any other article of food or any drug"; and a lengthy discussion arose on the first amendment designed to bring about this result. Mr. Long, recognising that the proposal aimed at the establishment of the well-known Court of Reference recommended by the Select Committee, strenuously opposed any such extension. He said the Government had tried to get as near as they could to the recommendation of the Select Committee; but he believed the extension of the proposal to all articles of food would involve great difficulties. They might get scientific standards, but they might seriously injure trade. The discussion on this point was adjourned till last Monday, when Sir Charles Cameron's motion was defeated by 40 to 1, he being the solitary one. Mr. Kearley was not present, or he might have supported the Glasgow Knight. Mr. Long having intimated that the Board would appoint on the Committee representatives of the producer and the consumer as well as scientific authorities, Mr. Burns amiably remarked that he should object to any grocer or farmer who was interested in the sale of butter more or less adulterated having a *locus standi* on that committee. A provision authorising any officer of the Board of Agriculture to enter at all reasonable times any manufactory, and to inspect the process of manufacture therein and take samples for analysis, though earnestly opposed by Mr. Long, was carried against the Government by 21 votes to 17. Mr. Long said the Government would have to adopt one of two courses—either they must make the principle of the amendment generally applicable, or they must resist it downstairs with all the force they can bring to bear. Altogether, seven clauses have been settled.

The Wholesale Drug-trade and the Sale of Food and Drugs Bill.

A deputation from the London Chamber of Commerce was introduced to Mr. Walter Long (President of the Board of Agriculture) on Tuesday last at the House of Commons by Mr. Alban Gibbs, M.P. The deputation consisted of Mr. J. Innes Rogers (Travers & Co., Limited) for the grocery-trade, Mr. John Lovell (Lovell & Christmas, Limited) for the provision-trade, and Mr. C. Umney (Wright, Layman & Umney) for the drug-trade.

A full statement dealing largely with the margarine-trade was made by Mr. Rogers and Mr. Lovell (who had previously had an interview with Mr. Long), and then Mr. Umney was called upon to explain how the Bill affected the wholesale drug-trade. He first commented on the proposal to empower the Customs to examine, detain, or cause to be forfeited any parcels of drugs found to be adulterated at the port of entry, and then went on to urge that if invoices are to be warranties this should apply to importers, brokers, and manufacturers, as well as to wholesale dealers. Mr. Umney stated that about twenty years since it was suggested that the port of London should have its inspector of drugs, but this was not favourably received either by importers or buyers. He saw no reason, however, why the clause of the Act (specially framed for foods) should be other than beneficial provided it was fairly used. Mr. Umney referred to ipecacuanha as a typical drug. It would be advantageous, he maintained, to reject and even destroy at the port of arrival such a worthless drug as that which sometimes was entered as "Bahia ipecacuanha." This drug is absolutely valueless, and its sale as ipecacuanha is fraudulent. But he would not insist that only the ipecacuanha described in the British Pharmacopœia (known as Rio root) should be admitted. There was another valuable variety shipped from Cartagena, and, though this is not now available for British pharmacy, it ought not to be excluded from commerce. It would not do to instruct an inspector that the British Pharmacopœia must be the sole standard. The public would not be benefited, and the trade of the port of London would be seriously damaged. The trade in drugs would simply be driven to Hamburg and other continental ports.

As to warranty, Mr. Umney regretted that it had not been found practicable to adopt the suggestion made by himself and others before the Select Committee of the House of Commons some three years since that drugs might be separated from foods, and dealt with in distinct Acts.

In reply to a question from Mr. Long, Mr. Umney said it had been customary for twenty years or more to guarantee or warrant drugs to be in accordance with the official standard; but this had been generally done (he spoke chiefly from the knowledge of what his own firm did) by affixing a printed label of warranty to the bottle or packages containing the drug, rather than giving a written warranty. To the principle of an invoice being a warranty he saw no objection; but in the drug-trade they certainly would require a time-limit (say two months), and would ask even for a protection-clause, such as the following:—

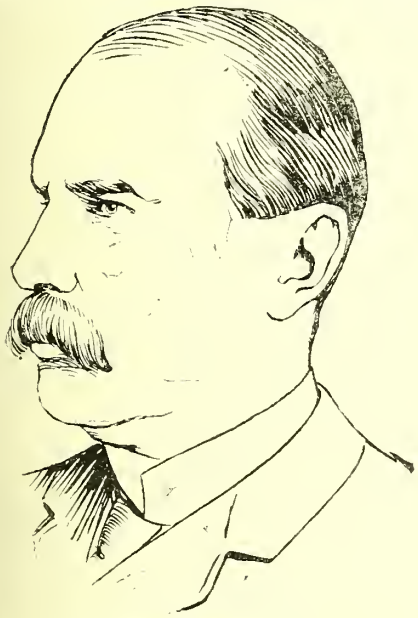
"Provided always that in the interval the storing be not under unsuitable conditions and influences."

Special precautionary measures, too, would have to be taken in reference to the identification of drugs between buyer and seller—not always an easy matter, especially with liquid drugs. Sweet spirit of nitre and lime-water were instanced as medicaments requiring such a clause. He saw no serious objection to the suggestion that importers and brokers should be required to give warranties, especially if it were desired to stamp out the pernicious practice of selling goods by sample, the adulteration perhaps being occult—such, for instance, as paraffin in anise oil—the seller sheltering himself behind the fact that as the bulk and the sample were identical, no matter whether adulterated or not, the sale was not fraudulent.

Mr. Long said he desired to make himself acquainted with the views of the various traders interested; but he confessed that the Act as applied to drugs, in his opinion, wanted very careful and even special handling, and he would bear in mind the suggestion of Mr. Umney that a Reference Committee was desirable.

Doctors' Unqualified Dispensers.

In the House of Commons on Thursday, May 4, Major asch asked the Vice-President of the Committee of Council n Education whether the attention of the Privy Council ad been drawn to the evidence and verdict given at an iquest held at Heaton Norris, on January 9, 1899, from



Major Rasch, M.P.

ich it appears that a mistake by a doctor's unqualified penser resulted in the patient's death; and, whether, ing that, notwithstanding that the Pharmacy Act enacts at sellers of poisons must possess a qualification, it is illegal for doctors to employ any class of unqualified sons to dispense medicines, however dangerous or poi- ous, the Government will take steps to ensure that medi- es containing poisons shall only be dispensed by those ding either a medical or pharmaceutical qualification.

Sir John Gorst said: The answer to the first part of the estion is in the affirmative. The Privy Council have been communication with the General Medical Council on the ject. The Executive Council of that body, while admit- g that occasional accidents may arise from the employ- nt by qualified medical practitioners of careless or ompetent dispensers, consider such cases to be very rare, d believe that the best protection is afforded to the public the responsibility of the practitioner for the acts or aults of the servants whom he employs. Instances of h mistakes are not confined to dispensers employed by dical practitioners.

The Pharmacy Bill, 1899.

A CHEMIST-CONSTITUENT of Colonel Brookfield, M.P., wrote to that gentleman on the subject of the Lord Chancellor's Pharmacy Bill, and enclosed with his communication a reprint of the *C. & D.* appeal. Colonel Brookfield replied as follows (and consented to the publication of his letter):—

Bordighera, Italy,
April 26, 1899.

Dear Sir,—I have not yet acknowledged your memorandum on the subject of the Pharmacy Act Amendment Bill (I am not quite sure of the title, but know the measure you refer to).

I had the honour myself of carrying the Pharmacy Act Amendment Bill, 1898, through a second and third reading in the House of Commons. But that measure (mainly) only dealt with certain detail in the organisation of the Pharmaceutical Society of Great Britain, and was practically not controversial.

The present question of prohibiting "companies" from practising, &c., &c., was purposely postponed until now.

I must own that my sympathies are with the intention of the new Bill, but I admit that the paper you sent points out certain difficulties and hardships which should be avoided.

I am not at present able to be of any use in the matter, but shall be happy to attend to it upon my return to my duties. I will also, if possible, ascertain the views of the Pharmaceutical Society of Great Britain, from whom I received instructions about the smaller measure of which I took charge.

I am, dear Sir, faithfully yours,
A. M. Brookfield.

Mr. H. Horrell, High Street, Rye.

The appended sympathetic letter appears in the *British Medical Journal* of April 29, over the signature of R. Fielding-Ould, M.A., M.B., Liverpool:—

The object of the Bill introduced into the Lords, backed by all the weight of a Lord Chancellor's influence, is to enable a company to carry on the business and use the description of a pharmaceutical chemist or chemist or druggist. It is difficult to see the object of this provision, for clearly it is only an extension of the so-called "widows clause" of the Pharmacy Act, 1868—a clause open to grave objections, and the most obvious blot on an otherwise fairly satisfactory measure.

Personal qualification and personal responsibility are of the very essence of the relation between druggist and medical practitioner, and it is to preserve this personal element that I would like to see the medical profession taking up a position decidedly hostile to the new Bill.

Moreover, in the interests of the general public, this Bill should never be allowed to become law, for under it the protection conferred by the last Pharmacy Act is likely to be distinctly curtailed, and, seeing the large and increasing number of cases of accidental poisoning that occur in these days, one would imagine that any new legislation would err rather on the side of stringency than on the reverse, and afford a greater measure of protection by more closely scrutinising and restricting the sale of drugs.

It is true the proposed law provides that a company shall only be allowed to carry on the business and use the description of a pharmaceutical chemist "so long as its business is *bonâ fide* conducted by a manager or assistant being a duly-registered pharmaceutical chemist, or chemist or druggist, as the case may be"; but is it not true that the incorporation and registration of limited-liability companies have primarily a financial object?

With such an object in view a company may employ a qualified chemist to act as "cover" to as many unqualified assistants as may be thought necessary for the production of a certain financial result.

It is a somewhat lurid commentary that, so far as this year has gone, 25 per cent. of convictions under the Food and Drugs (Adulteration) Act, Pharmacy Act, and kindred Acts, have been obtained against drug-stores and similar companies trading as chemists.

The compounding of drugs and the dispensing of prescriptions are not matters which can properly be employed for the production of inflated dividends, any more than the practice of medicine, surgery, and midwifery can, and it is to be regretted that a Bill should be introduced which will enable a company to use these methods.

This is not only a question for chemists and druggists: it is also one of considerable moment to medical men, for, with the loss of confidence between prescriber and dispenser, which I think must inevitably ensue on the passage of this Bill, how are we to treat our patients satisfactorily? Can we be certain that the prescriptions we write will be accurately dispensed, and that pure drugs only will be used in their composition?

"Truth" on the Lord Chancellor's Bills.

Which is the more dangerous, to have a tooth drawn by the unqualified servant of a limited liability company carrying on the business of a dentist, or to take a mixture con-

taining aconite or strychnine compounded by the unqualified employé of a drug company? Two Bills introduced by Lord Halsbury, and now before the House of Lords, supply the answer. The first Bill prohibits the profession or business of a physician, surgeon, dentist, or midwife being carried on by a company; the other explicitly legalises the assumption of the title and functions of pharmaceutical chemists and chemists and druggists by a company. It is true that there is a proviso in the latter Bill to the effect that the company shall be conducted by a duly-qualified manager or assistant, but I fail to see that there is thereby afforded any real protection to the public. As at present drawn, there is nothing in the Bill to prevent a company, with one qualified manager, dispensing poisons at a hundred branches by means of unqualified assistants. To amend the Pharmacy Acts in this manner is simply to open the door to the dangers which they were intended to provide against.

By the way, the Lord Chancellor is himself in business in a small way as a chemist and druggist. The name of "Halsbury, Lord, Peer," figures on the register of shareholders in "Lewis & Burrows' Drug Stores (Limited)," as the owner of 100 preference shares. As one personally interested, I should imagine, therefore, that he would be only too glad to adopt means to make it impossible for any druggist's shop to be left in charge of a boy with a firm conviction that Epsom salts is oxalic acid.—*Truth.*

Victorium.

A new element and other interesting things shown at the Royal Society's Conversazione on Wednesday evening.

ONE has to go back fifty years to get at the beginning of the discovery of the new element victorium. Then Professor Hofmann gave a lad, who is now Sir William Crookes, some selenium to examine and report upon, which he did; but there was something left doubtful, and this, after a ten years' interval, he took up, and ultimately extracted from it the element thallium. This research made him adept at spectroscopic work, and by-and-by he got on to phosphorescent spectra, and so to the study of rare earths, amongst them yttria. Twenty years ago he began to fractionate a sample of yttria, and this has been going on until a short time ago, when Sir William Crookes got an eye-invisible spectrum, which showed to the photographic film away back in the darkest portion of the spectrum a group of lines different from anything else. These indicate a new element, which Sir William calls victorium, because this is her Majesty's eightieth year. The subjoined paragraph is the first printed statement about it, for which we are indebted to Sir William:—

Victoria is an earth characterised by a group of lines in the neighbourhood of λ3110. In chemical characters it differs from yttria in many respects. From a hot nitric-acid solution victorium oxalate precipitates before yttrium oxalate and after terbium oxalate. On fractional precipitation with potassium sulphate the double sulphate of victorium and potassium is found to be less soluble than the corresponding yttrium salt, and more soluble than the double sulphates of potassium with the terbium and cerium groups. Victorium nitrate is a little more easily decomposed by heat than yttrium nitrate, but the difference is not sufficient to make this reaction a good means of separating victorium and yttrium. Fusing the nitrates can, however, be employed advantageously to separate mixed victoria and yttria from the bulk of their associated earths. Tested by its position in a series of earths obtained by fractional precipitation with dilute ammonia, victoria is found to be less basic than yttria and more basic than most of the earths of the terbia group. The atomic weight of victorium is probably near 117. In the purest state in which it has yet been prepared victoria is of a pale-brown colour.

"Is it a meta-element?" we asked Sir William. "No," he replied. "I would not call it that. It is much more distinctive than other associates of yttrium. I would say it is an element. Yes, it can be reduced to the metallic state. This is victoria." And he handed us a specimen of a yellowish-brown powder, then called our attention to a chronological tree which exhibits the isolation of victorium.

A *conversazione* of the "Royal" without colour-photographs would not be complete. This week we had some by Mr. Savile-Kent, F.L.S., who photographs natural objects through primary colour-screens, makes film-positives from these, colours each film with its primary colour, and then correctly superimposes the films to make a coloured transparency almost exactly resembling the natural object.

The third thing which interested us most was the exhibit by Dr. Patrick Manson and Surgeon-Major Ross of the *Filaria nocturna*, which causes elephantiasis (black leprosy), and of the parasite which causes malaria. Mosquitoes convey these parasites from man to man. A mosquito bites a person who has elephantiasis, and gets infected with the *filaria*. Drs. Manson and Ross showed sections of mosquitoes' tracheæ, stomachs, &c., illustrating the development of the parasite in that insect and how the *filariæ* gradually get to the stinging-apparatus of the insect, and so become ready for infecting man. The parasite is active at night only; sections of tissues from persons who died at night and in the morning showed the wormlike parasite pushing itself through the tissues in the former case, and curled up in the latter. The malaria-parasite is also transferred from man to man by the mosquito, whose stomach-walls form the incubator. This parasite lodges in the blood-corpuscles, and is also found in birds which are subject to malaria.

Electrical apparatus were in strong force at the *conversazione*. The first thing was a particularly clever influence-machine, designed by Mr. W. Pidgeon, M.A., resembling the Wimshurst machine, but in which the sectors are imbedded in wax, and the earthing-brushes carry insulated conductors, kept charged by exploring-points, and so arranged that, at the moment of being earthed, each sector stands between two similarly-charged bodies; its capacity is then at a maximum, and it receives a proportionately large charge. As the sectors move away from the inductors their capacity decreases and potential rises, thereby producing an increased reaction on the opposite disc. The induction of the machine starts up almost instantly, and its output is so large that a machine with discs 12 inches in diameter works an *x*-ray tube sufficiently strong to show the bones of the arm distinctly. Professors Hartley and Dobbie showed numerous photographs of absorption-spectra of organic compounds, showing the method of investigating peculiar cases of isomerism called tantomerism or desmotropy; and the former, in association with Mr. Hugh Ramage, exhibited more gallium-spectra. Mr. James Swinburne exhibited the "Nernst" electric incandescent-lamp, in which, instead of carbon conductors *in vacuo* there is used a rod of highly refractory oxide held in platinum wires. The rods are heated by little platinum gridirons to a temperature at which they conduct electricity; then they begin to glow, and the gridirons are cut out of circuit, and the little ¾-inch rod gives a light equal to that of an ordinary incandescent electric lamp with only a third of the electric force.

Professor Callendar showed his clever radiation-recorder, in which the unequal heat-absorption of blackened and brightened Wheatstone bridges is sufficient to give a thermo-electric indication, which is recorded on the barrel connected with a chronometer. His recording-pyrometer was also exhibited; and in an adjoining room Professor W. F. Barrett, F.R.S.E., of Dublin, exhibited a new thermo-electric couple consisting of a new nickel-manganese-iron alloy combined with iron. It is found to have the property of giving a practically constant E.M.F. through a temperature rising from a black to a bright-red heat, the opposite junction being kept at the temperature of the air. Professor Arthur Thomson, M.A., exhibited a model to illustrate how natural curliness of the hair is produced. It seems that straight hair is always circular, and usually thicker than curly hair which is ribbon-like and fine. In the latter case, the shaft is not sufficiently stout to resist the strain of the hair-muscle and naturally assumes a curve, which becomes permanent and affects the follicle in which the hair is developed; the softer cells at the root of the hair accommodate themselves to this curve, and, becoming more horny as they advance towards the surface, retain the form of the follicle, the cells on the concave side of the hair being more compressed than those on the convex side. In this way the hair retains the form of the follicle after it has escaped from it. Mr. Shelford Bidwell, F.R.S., also exhibited an apparatus which shows why the eye out of focus sees multiple images of, say, the carbon of a

electric lamp. This was done with a lens covered with gauze, to imitate the cellular structure of the eye, and it was seen that when the lens was in focus one image of the bent carbon was thrown on the screen, but moving the latter out of focus, the image was multiplied many times. Professor Norman Collie showed his Canadian Rockies photographs. The *conversazione* was for men only, but there was nothing in it which women would have blushed to look upon.

The guests were received by Lord Lister, and included diplomatists, noblemen, legal luminaries, and the following chemists and physicians:—Sir William Crookes, Sir Edward Frankland, Sir Henry Gilbert, Sir James Crichton-Browne, Sir Richard Thorne-Thorne, Sir Henry Roscoe, Mr. Cornelius Ianbury, Professor Armstrong, Dr. Gladstone, Professor Burdon-Sanderson, Dr. Ludwig Mond, Professor Dewar, Dr. Lauder Brunton, and Professor Ramsay.

Trade-Marks Applied for.

Anyone who objects to the registration of a trade-mark must address the Comptroller-General, Patent Office, Chancery Lane, W.C., within a month of the date of publication. When "no claim" is mentioned in the subjoined abstracts, this implies "no claim for the exclusive use of the word" in inverted commas.

(*From the "Trade Marks Journal," April* 12, 1899.)

"CREOSOTAL" and "XEROFORM." (No claim for "Creosote" or "Xero.") For chemical substances. Chemische Fabrik von Heyden, Radebeul. 216,421 and 216,423.

"SHADEINE." (No claim for "Shade.") For a hair-stain. L. Alexandre, Westbourne Grove, W. 216,270.

"HODSIM"; for perfumery and toilet-articles. Hodgson & Simpson, Wakefield, soap-manufacturers. 220,552.

"KAMFOLIA"; for perfumery and toilet-articles. Allen & Hanburys (Limited), Plough Court, E.C. 216,027.

(*From the "Trade-marks Journal," April* 19, 1899.)

"ELATOID"; for chemical substances. Chemische Fabrik auf Actien (vorm. E. Schering), Berlin. 216,092.

"XAMINE"; for goods in Classes 1 and 4. Badische Anilin & Soda Fabrik, Ludwigshafen. 216,370 and 216,369.

"TERMITÁL"; for chemical substances. W. Semple, Gresham House, Old Broad Street, E.C., merchant. 216,370.

"ANITOME"; for chemical substances. Davies, Gibbins & Co., Derby. 216,542.

Combination of devices (the essential particular), being an oval label, with a picture of the Paris Louvre and wording; for chemical substances, mineral and aërated waters, perfumery and toilet-preparations. F. Pitt, Brondesbury, N.W. 219,089, 219,090, 219,093, and 219,095.

"EFFERVETTES"; for medicines. J. E. Garratt, Southwark Street, S.E. 216,007.

"RIKRESOL," "ARGENTAMIN," and "SANOSE"; for chemical substances. Chemische Fabrik auf Actien (vorm. E. Schering), Berlin. 216,094, 216,096, and 216,097.

"ALIDOL" and "UROSIN"; for a medicine and pharmaceutical product. Vereinigte Chininfabriken Zimmer & Co., Frankfort. 216,165 and 216,166.

"BACID"; for chemical substances. L. W. Gans, Frankfort. 216,199.

"TISEPTICINE" (no claim for "Antiseptic"); for chemical substances. R. Sumner & Co., Liverpool. 217,829.

"EMOPURA" (no claim for "Hæmo"); for chemical substances. T. Wilson, Glasgow. 218,502.

"INIANA"; for chemical substances and for food substances. Wright, Layman & Umney, Southwark Street, S.E. 218,889 and 219,890.

"ULE"; for suppositories. Burroughs, Wellcome & Co., Snow Hill Buildings, manufacturing chemists. 220,280.

"NAKINE"; for an embrocation. T. Furness & Co.'s Stores (Limited), West Hartlepool, merchants. 220,629.

"ING SUN"; for goods in Class 3. Jeyes' Sanitary Compounds Company (Limited), Cannon Street, E.C. 220,983.

"TALMINIUM" (no claim for "Talmi"); for a metallic foil in imitation of gold-leaf. Sander & Knott, 7 Blomfield Street, E.C. 218,770.

"GNOM"; for milk-sterilisers. L. Lumley & Co., 1 America Square, E.C., bottlers' engineers. 221,075.

"OLMONTINE" (essential particular); for a substitute for ground almonds. Huband, Thompson & Co., Birmingham. 217,969.

"PRESERVITAS" (no claim for "Preserve"); for food substances. R. C. Baker, Southwark Street, S.E. 218,385.

"PEPTONIA"; for a non-medicated toffee. J. S. Derbyshire, Nottingham, manufacturing confectioner. 219,432.

"SANTHA;" for fermented liquors and spirits, and for mineral and aërated waters. Stevenson & Howell, Southwark Street, S.E., manufacturing chemists, 220,935 and 220,936.

"CURLETTA" and "WAVETTA" (no claim for "Curl" or "Wave"); for hair-preparations. C. A. Ash, Devonport. 218,579 and 218,581.

"MIZPAH"; for perfumery and toilet articles. The Erasmic Company (Limited), Warrington. 221,412.

"TENNACINE"; for a liquid cement. C. H. Betts, Manchester, merchant. 219,248.

(*From the "Trade Marks Journal," April* 26, 1899.)

"OPALLINE" and "SICCOLINE"; for goods in Class 1. Wilkinson, Heywood & Clark (Limited). 7 Caledonian Road, N. 215,876 and 216,173.

"TARTRAZINE" and "ANTHRAZUROL"; for goods in Classes 1 and 4. Badische Anilin & Soda Fabrik, Ludwigshafen. 216,367, 219,298, 216,368, and 219,299.

"ZYLOTHIN" (no claim for "Zylo"); for a chemical substance. H. E. Stevenson & Co., 130 Southwark Street, S.E. 219,209.

"SALVITIS"; for chemical substances. Live-stock Ailments Remedy Proprietary (Limited), Melbourne, Victoria. 215,007.

"PORCOSAN" (no claim for "Porco"); for a preventive against erysipelas in pigs. Internationale Porcosan Gesellschaft, Mannheim, Baden, manufacturers. 219,398.

"AMEL"; for goods in Classes 2 and 3. Stephen Armitage, Oran, Algeria, civil engineer. 219,778 and 219,779.

"MOTHICIDE"; for an insect-destroyer. Stevenson & Howell (Limited), Southwark Street, S.E. 220,911.

"GAIAFORME"; for goods in Class 2. J. Brissonnet, Paris, pharmaceutical chemist. 221,404.

"EUDERMOL"; for chemical substances. Dr. L. C. Marquart, Benel, near Bonn, manufacturer. 214,799.

"NIMROD" (the essential particular); for an upright oblong label with white letters on a black ground, for disinfectant and soaps. A. Finlay, Belfast. 220,930, 220,931, and 220,933.

"PERLOID" (no claim for "Perl"); for medicines. Keene & Ashwell, New Bond Street, W. 215,656.

"GUAIPEROL"; for a chemical substance. J. Turner & Co. (Limited), Queensferry. 215,935.

"FERRATIN" and "LACTOPHENIN" (no claim for "Ferra" and "Lacto"); for pharmaceutical products. C. F. Boehringer & Soehne, Waldhof. 216,202 and 216,203.

"AQUASANINE" (no claim for "Aqua"); for chemical substances. Laboratoires Sauter Société Anonyme, Geneva, manufacturers. 216,451.

"CREOFOSSOL" (no claim for "Creo"); for a chemical substance. La Société Chimique des Usines du Rhône, Lyons. 216,640.

"TANNOFORM" (no claim for "Tanno"); for goods in Class 3. E. Merck, Darmstadt. 216,873.

"PYRAZINE" (no claim for "Pyr"); for a medicine. J. H. Taylor, St. Anne's-on-Sea. 217,115.

"MOLU"; for ointments. H. C. Hurlbut, Vincent Square, S.W. 219,397.

"COLLARGOLUM"; for a chemical substance. Chemische Fabrik von Heyden Gesellschaft, Radebeul. 219,555.

"KAMRET"; for photographic apparatus. J. Lancaster & Son, Birmingham, opticians. 216,664.

"SANOGEN"; for vaporisers. Walker, Troke & Co., City Road, E.C. 217,772.

"MARIONA"; for photographic paper. Marion & Co., Soho Square, W. 216,522.

"BYNO"; for food substances. Allen & Hanburys (Limited), Plough Court, E.C. 215,671.

"GLYX"; for stationery. W. R. Dodd, Stamford Hill, N., chemist. 221,248.

Correspondence.

Notice to Correspondents. *In writing letters for publication correspondents should adopt a concise, but not abbreviated, style. They are requested to write on one side of the paper only. Letters, with or without a nom-de-plume, must be authenticated by the name and address of the writer. Queries should be written on separate pieces of paper, and the regulations printed under the sections to which they apply should be strictly observed.*

The Council Election.

SIR,—I have to-day given notice of my intention to move the following resolution at the forthcoming annual meeting of the Pharmaceutical Society:—

"That the members of the Pharmaceutical Society assembled at the annual meeting respectfully express the opinion that the reply sent by the Executive of the General Medical Council to the Privy Council on the question of dispensing by unqualified persons is illogical and disastrous, as it undermines the principle which requires a legal qualification from those who undertake responsible duties involving the public safety, and that the General Medical Council be respectfully invited to co-operate with the Pharmaceutical Society to secure that medicines shall only be dispensed by those holding a medical or pharmaceutical qualification."

The Privy Council has already moved in the matter, and as a result the question has to be considered by the General Medical Council, which meets at the end of this month. I think it is of vital importance that the Pharmaceutical Society should seriously deal with the question at this junctnre, and my object in calling the attention of your readers to the proposed resolution is to urge every member of the Society, who has been trained and qualified to dispense, but finds little dispensing to do, to make an effort to be present, and to support the motion.

I am, yours respectfully,
Aveley, Essex, May 4. W. S. GLYN-JONES.

SIR,—May we, through the medium of your jonrnal, ask all dispensers to use every means in their power to ensure the election of Messrs. Campkin, Druce, Glyn-Jones, Morrison, and J. Smith?

The above candidates have promised, if elected members of the Pharmaceutical Council, to take vigorous steps to improve the standard of qualification and the position of public dispensers.

Thanking you in anticipation,
We remain, yours faithfully,
R. WELFORD, M.P.S. (Chairman),
W. E. MILLER, M.P.S. (Vice-Chairman),
G. F. FORSTER, M.P.S. (Hon. Secretary),
Public Dispensers' Association.

SIR,—I notice that Mr. Carteighe is desirous of being again elected as a member of the Pharmaceutical Council. I am surprised that before seeking the votes of the members of the Society Mr. Carteighe has not given some public explanation of the action which he, as the proprietor of "Dinneford's Fluid Magnesia," has recently taken. Last year the price through a wholesale house for the 1*s*. size was 7*s*. 5*d*. per dozen. This year the same size is charged 9*s*. 3*d*. The house in question explained that on December 19 last Mr. Carteighe, as Dinneford & Co., advanced his prices to the trade by about 20 per cent. Mr. Carteighe, of course, has the right to conduct his business on lines which commend themselves to him, but when, in any capacity, he asks for the support of the trade, I think we are entitled to ask for an explanation of what appears to me to be most unfair treatment of his brother chemists.

For some time a large section of chemists have approached manufacturers, asking them to recognise that as distributors of their articles, chemists are entitled to a guaranteed profit. Many of these, from whom we would have expected less sympathy than from Mr. Carteighe, have conceded these just demands, and are guaranteeing these profits. Some who have not done so have sneeringly remarked that when they see the leaders in our own ranks adopt our suggestions they will follow suit, but we must first put our own house in order. As far as I have been able to gather, the only reply to these requests for a better profit on Dinneford's fluid magnesia has been that, by a stroke of the pen, Mr. Carteighe has put an increased 20 per cent. into his own pocket. Many members of the Society, who are to-day selling Dinneford's fluid magnesia at or about cost-price, can hardly be blamed if they decline to support, in any way, a proprietor in their own ranks who turns a deaf ear to what they believe to be a reasonable request for just treatment.

Yours faithfully,
May 2. YORKSHIRE. (1 19)

The Council Election and Dispensing.

SIR,—I am, doubtless like many, full of indignation at our humiliated condition, and, as it does not seem possible to obtain our rights in trade matters, I am inclined to look at the more professional side of our calling. Here we find three things of paramount importance—the dispensing of medicines, retailing poisons, and the protection of our title. It was to do these things we were created, and should retain our right. That shareholders of companies consisting of Lord Chancellors and others without pharmaceutical qualification can acquire profit at the expense of a qualified chemist is unjust and illogical. It is not a question of monopoly, but rather that we should reap the reward of past and present labours. Therefore the dispensing of medicines by qualified chemists should be the election cry, and those candidates who promise to do all they can in this direction should get good support; but it is folly to suppose that doctors are going to relinquish what has been a very money-making part of their practices—viz, dispensing—any more than you can persuade medical men or committees that it is proper to have a qualified chemist to dispense the few medicines that are required for, say, a cottage hospital or convalescent home. In all such cases the prescriptions are made to suit the scope of the dispensing department. The case is very different when you consider the army hospital or workhouse infirmary, and I regret to say many hospitals are now becoming quite satisfied with the amateur qualification which can be obtained after a few months' training in the army hospital dispensary. And for a similar reason the Apothecaries' Hall assistants' certificate must be considered unsatisfactory. Here even no Preliminary examination is required; anyone who has crammed up his B.P. and a few other things can get the certificate, and armed with such they are actually ousting out men qualified under the Pharmacy Act.

It is essential that the Privy Council should be made aware that such imperfect training cannot make a dispenser, and that no examination less than the Minor of the Pharmaceutical Society should be considered as a test of a man's skill in that department. Once persuaded that such work should receive the attention it deserves, the public will not be long in placing a higher estimate on such services, and demanding that their medicines be made by those best qualified for the purpose.

The dispensaries of our hospitals and infirmaries, &c. present excellent opportunities for practising the art of pharmacy in a manner worthy of such a profession. But while no expense is spared in the surgical department of the various institutions, the dispensary is often left to shift for itself, it being often considered of minor importance. Years ago it was usual for medical men—apothecaries—to do the dispensing, and this they continued to do until they found what a handy man their porter was, and so he soon took over most of the work. There was a gradual improvement until two or three years ago, when army men became qualified for the Poor-law infirmaries, and latterly also the certificate of the Apothecaries' Hall was accepted. These two combined have upset the hopes of those who thought that a considerable improvement had taken place in the status of the dispenser, and the little dignity he has surrounded himself with will soon disappear.

I am, Sir, yours faithfully,
G. H. T. (257 71.)

The C.A.U. Candidate.

SIR,—Your correspondent "Old Member" makes an uncalled-for attack on the new candidates for seats on the

Council. In speaking of one candidate he quotes from the *C. & D.* Why could he not have made a similar reference when speaking of the Chemists' Assistants' Union's nominee, Mr. R. E. Wright? Had he read his *C. & D.* carefully he would have found that the programme of that Union, which "is noted for the excellence of its smoking-concerts and the desire of the members for higher remuneration," contained principles which the members confidently assumed would, if properly carried out, bring about the desired result without descending to the level of labourers who go out on strike.

It may also be noted that the first note of alarm in regard to unqualified dispensing in surgeries was struck at a meeting of the C.A.U., at which Mr. Glyn-Jones made a powerful speech; and in sending a resolution to the Pharmaceutical Council the C.A.U. can claim to be the pioneers of at least one much-needed reform. It has been said by a few that not being in business on his own account is a point against Mr. Wright's chance of election. Where the point of this argument comes in I am unable to see. Why should not those members of the Society who are not in business have a representative? I put this question to all chemists' assistants, and feel sure that all who are members and have not fallen into the chrysalis state of inaction will vote for the man who promises to look after their interests.

Faithfully yours,

8 Stafford Street, Old Bond Street, London, W., April 27. C. WHINERAY.

Assistants and Companies.

SIR,—As one of the local secretaries for the Chemists' Assistants Union, I should like to say a few words in support of the letter by "Ichthyol" in your last issue. It appears to me that he has struck the keynote of the whole affair from beginning to end, and if assistants would benefit by his remarks, companies would soon be no more. How any young fellow can sell his services to these companies I am at a loss to understand. However it has always been the case that there are black sheep in every flock, and the sooner these are dyed "white" the better. How can this be done? By no other way than by combination, and this by inducing them to join the C.A.U. But this is easier said than done. For example, as secretary for this city it has been my endeavour to show assistants the benefit of this combination. I had from our head offices, circulars, on which was printed a polite but earnest appeal to them to join the Union. These, with a copy of the rules, I took round to them, and not one has had the common courtesy to even acknowledge its receipt. Why is this? Can it be the 5*s.* subscription, or is it that failing to give satisfaction to "chemists proper" they have last resource by selling themselves to these "unqualified capitalists"? Or again, do they think it *infra dig.* to belong to a "Union" whose object is to raise Pharmacy from the grovelling gutter into which it has fallen and is being submerged in? In conclusion, I would strenuously conjure all assistants, whether qualified or not, to join the C.A.U., as it is only by combined effort that we can strike a death-blow at illegal companies, and when the time arrives for the assistants to commence business on their own account they would feel the beneficial effect of that old adage which says "Union is strength," without which we must certainly fall and be trampled under foot in the mere struggle for existence. Now is the time, now or never. I enclose my card, and remain

Yours faithfully,

YORRIS. (259/39.)

The Acarus Lini.

SIR,—In your current issue, under Australasian news, you refer to the *Agricultural Gazette* of New South Wales and the presence of "mites in linseed-meal." May I be permitted to point out that in January, 1891, I read a paper upon the *Acarus Lini* before the Chemists' Assistants' Association of London, and from exhaustive examination came to the conclusion that this *Acarus* is peculiar to linseed-meal. In some respects the *Acarus Lini* resembles the *Acarus Sacchari*, and in others the *Acarus Farinæ*. The *Acarus Lini* has fewer and smaller pinnate setæ than *Acarus Farinæ*. The ectoderm, or so-called "skin," differs microscopically from *Tyroglyphus longior*.

I am, Sir, faithfully yours,

The Laboratories, 49 and 51 Imperial Buildings, E.C., May 1. FREDERICK DAVIS.

Cocainidine Hydrochloride.

SIR,—I have just ascertained from the friend who sent me a sample of cocainidine hydrochloride from New York, that it contains some isotropylcocaine. This, doubtless, accounts for the marked difference in the melting-points of the base as determined by Mr. P. W. Squire and by Dr. Schaefer. In justice to both gentlemen the fact should be recorded.

Yours truly,

May 4. PETER MACEWAN.

Legal Queries.

We do not give legal opinions by post. Information regarding most legal matters in connection with pharmacy will be found in THE CHEMISTS' AND DRUGGISTS' DIARY, *and in "Pharmacy and Poison Laws of the United Kingdom," and Alpe's "Handy-book of Medicine-stamp Duty."*

253/19. *Warburton* asks whether we think a label, "Lime-water prepared according to private formula," would protect him in case of his lime-water being proved deficient in a prosecution under the Sale of Food and Drugs Act. We think not. The Court would probably say that lime-water must answer the description of lime-water, B.P., no matter by what formula it is made. A label stating that the vendor did not guarantee his lime-water to be of B.P. quality might suffice, but we should doubt if it would be good policy to use such.

253/67. *E. E. E.*—There is a statute providing against the unauthorised use of the Royal Arms in a way calculated to deceive, but we know of none relating to the Prince of Wales's feathers. You can say you are from "Blank, chemist to the Prince of Wales," and figure the plumes in the announcement, so long as it is true and you are under no restriction with Blank. But you must make the "from" quite plain.

254/6. *P. J.*—The Act requires every person who uses a still to take out a licence, and it is entirely an act of grace on the part of the Board of Inland Revenue if they allow anyone to use one without paying a licence. As a matter of fact, we believe they only allow the free use of stills to analytical or scientific chemists for purposes of scientific research. Chemists who use them in their business have to pay the licence. In any case you have no appeal against the Board's decision.

258/58. *T. A.*—The unqualified person is liable to a fine if he "take, use, or exhibit" the description chemist, &c. This prevents such person from using the labels of his predecessor if those labels bear the title on them.

1/5. *Cocaine.*—If you advertise a list of medicines under the title of Blank's Pure Medicines you claim a proprietary right in them, and thus render the compound ones liable to medicine-stamp duty.

109/6. (*J. H. F.*—1) County Coroners are appointed by the County Council, borough coroners by the Municipal Council. Before the Local Government Act, 1888, county coroners were appointed after election by the freeholders. The coroner appoints the deputy-coroner. (2) We have a list in preparation which we hope to publish shortly.

1/39. *W. S. H.*—A granular effervescent salt containing piperazine, and recommended for gout, would be liable to medicine-stamp duty.

Information Wanted.

The Editor will be obliged for replies to the following from any who can furnish the information.

259/54. Makers of the "World" violet-powder.

258/20. Makers of guinea weighing-machines for weighing babies.

258/16. Address of a London house for Stone's cod-liver oil.

Trade Notes.

THE "ANCHOR" SAFETY-STOPPER referred to on page 632 of our last issue is the invention of Mr. Albert T. Plummer, 780 Park Avenue, New York City, U.S.A. We erroneously stated that it was the invention of Mr. E. A. Swallow.

MESSRS. BERTIE-SMITH & CO., Bombay, have been appointed sole agents in India, Burmah, and Ceylon for the goods of Messrs. Newball & Mason, of Nottingham. Messrs. Lennon (Limited) have accepted the agency for the Transvaal.

MR. W. POPPELREUTER, 54 Portland Street, Manchester, the agent for Haensel's terpeneless essential oils, sends us a copy of Mr. Haensel's quarterly report on the essential-oil market. Besides useful trade information, it contains recent facts regarding the composition and characters of some oils.

KILLET'S A1 POWDER WEED-KILLER is an effective article put up in attractive enamelled tins, on which there are no labels to get dirty or become detached. The weed-killer is a powerful poison, and can only be sold by chemists. With each tin a measure is supplied which holds sufficient powder to make a bucketful of liquid weed-killer. A profit of not less than 25 per cent. is allowed to the retailer, and the makers will not supply any vendor who sells the article at anything below the advertised prices. Good showcards and handbills are supplied by the makers.

THE *East London Advertiser* of April 22 contained a long illustrated article on Messrs. Howards & Sons' works at Stratford and Ilford. The article is substantially a reprint of the history which was inserted in THE CHEMIST AND DRUGGIST in connection with the centenary of the firm, and begins by stating that "the latest addition to the manufactures of Ilford is of such an important character as to require more than a passing notice. Messrs. Howards & Sons, whose name has been a familiar one in West Ham for a century, have come to Ilford—and have evidently come to stay. Ilford people will, therefore, be glad to know something about the famous firm whose chemical-works have been established on the banks of the Roding, in order that they may have the advantage of the purity of the air, for which Ilford is noted."

NIRVANINE.—Under the heading of "New Remedies" we last week printed a note in regard to this substance, which is made by Farbwerke vorm. Meister Lucius & Bruning, 46 St. Mary Axe, London, E.C., who send us a leaflet regarding its use in dentistry. Mr. Marcus, surgeon-dentist, states that it is valuable in reducing the sensibility of the dentine, and he prescribes it in the following form:—

Arsenious acid	15 gr.
Nirvanine	15 „
Lanoline	10 „

Mix.

Anyone wishing further information on the subject can obtain a copy of the leaflet from the London office of the makers at the above address.

"VELO" CAPSULES AND PERLES.—Messrs. Wilcox & Co., 83 Mortimer Street, W., are offering to the trade a series of gelatin capsules and perles at exceptionally low prices. The capsules are made by a special process of moulding, whereby a membrane is produced which is very thin and uniform, and yet equal in strength to those that are thicker. The membrane is pale, transparent, and readily soluble. The perles are perfectly spherical but are made by the same process as the ovoid capsules—that is to say, they are not apparently made by compression of two sheets of gelatin membrane, but are actually formed upon a mould which gives the exact cubic content desired. The latter is an important point, as the mechanically-moulded capsules are apt to vary considerably in cubic content. These capsules and perles which Messrs. Wilcox & Co. offer are known as the "Velo" brand, and to wholesalers who do not make their own, or who export large quantities, they offer certain advantages. They can be supplied in bottles or boxes labelled as desired by the purchaser.

Trade Report.

The prices quoted below are the bottom prices obtained for bulk quantities by importers and manufacturers, who do not supply retailers. They are in many cases exclusive of various charges.

42 Cannon Street, London, E.C.: May 4.

BUSINESS is very quiet. Quicksilver has risen 5*s.* per bottle, and mercurials have followed with a 1*d.* advance. Ipecacuanha is still higher, but quiet. In quinine the tendency is easier. The copper-combination has again improved the price of sulphate, and still higher prices are looked for. The following are the principal changes in our report:—

Higher	Firmer	Lower
Ammonia sulphate	Belladonna	Benzols
Camphor (German)	Ergot of rye	Civet
Cocoa-butter	Fenugreek	Glycerin
Copper sulphate		Oil, bergamot
Ginger (Jam.)		Oil, clove
Gum tragacanth		Oil, orris
Ipecacuanha		Soda nitrate
Lycopodium		Pimento
Mercurials		
Oil, chaulmoogra		
Oil, French geranium		
Quicksilver		
Terebene		

Arrivals.

The following are amongst the principal arrivals of drugs this week:—

Benzoin (Amst.), 725; buchu, 32; camphor (Jap.), 486; cardamoms, 120; castor oil (Belg.) 40, (E.I.) 25, (Ital.) 5; cinchona (Java) 43, (Ceylon) 9; civet, 1; cod-liver oil, 260; croton-seed, 1; honey (Chilian) 773, (Aust.) 40, (Jam.) 16; iodine, 18; juniper berries, 28; kola (W.I.), 13; menthol, 20; opium, 3; quicksilver 40; quinine (Java) 175, (Germ.) 7; quince-seed, 2; rose oil, 1; saffron, 1; sandalwood, 152; sarsaparilla, 38; vanilla, 220; wax (bees'), 440.

Liverpool Drug-market.

Liverpool, May 3.

CASTOR OIL.—Although few arrivals have taken place, the stocks are diminishing, the feeling of steadiness is unchanged. Calcutta good seconds are available at 2⅞*d.* to 2$\frac{11}{16}$*d.* per lb. First-pressure French, 2$\frac{11}{16}$*d.* to 2¾*d.* per lb.; and Madras, 2[illegible] per lb.

CANARY-SEED.—Quiet; 150 bags good bright Turkish have changed hands at 25*s.* 6*d.*, and 500 bags at 26*s.* per quarter.

POTASHES.—Firm; 23*s.* 6*d.* to 23*s.* 9*d.* Pearlashes, 33*s.* 6*d.* 35*s.* per cwt.

BEESWAX.—Sales have been effected of good bright Chilian 7*l.* 5*s.* to 7*l.* 12*s.* 6*d.* per cwt., and good grey to grey and yellow mixed range from 6*l.* 17*s.* 6*d.* to 7*l.* 2*s.* 6*d.* One ton of African (Benguela) has been sold at 6*l.* 15*s.* per cwt.

CALABAR BEANS.—Firmly held at 6*d.* per lb.

CHILLIES, S.L.—In limited supply, at 35*s.* to 45*s.* per cwt.

AFRICAN GINGER is moving slowly, at 18*s.* 6*d.* to 20*s.* per cwt. according to position and quality.

GUINEA GRAINS.—For the remaining stocks here 60*s.* to 65*s.* per cwt. is asked.

HONEY.—The market is steady, with some inquiry, but buyers show little inclination to pay the prices asked for Chilian. Holders of prime Californian still remain firm.

ARROWROOT.—Prime W.I. is offered at 4½*d.* to 5*d.* [illegible] packages low-grade St. Vincent were offered at auction, but bought in.

SPERMACETI, CHILIAN, is held for 1*s.* 2½*d.* to 1*s.* 3*d.* per lb.

German Market

Hamburg, May 2

Business in our drug-market is quiet, and only a few articles, uch as camphor and ergot, show any movement.

Citric Acid is a shade easier at 265m. to 260m. per 100 kilos.

Camphor.—Refined shows a firmer market, the factories having ised their prices to 355m. per 100 kilos., and second hands have llowed suit and ask 345m. per 100 kilos. to-day.

Ergot of Rye has had a sudden rise, owing to important rders from the United States being placed on this market. On aturday 190m. per 100 kilos. was bid, and on Monday 210m. per 00 kilos. was paid, and to-day (Tuesday) 230m. per 100 kilos. was sked. Stocks are now very small.

Ipecacuanha is very firm. Rio is not offered, while good artagena is held for 19m. per kilo.

Menthol has been reduced to 13¾m. per kilo., and dull at that.

Lycopodium is tending firmer, and to-day's quotation is 250m. r 100 kilos.

Quinine has been in improved demand. Second hand is quoted m. per kilo.

Wax.—Japanese is firm at 61m. per 100 kilos., and Carnauba is vancing at from 80m. to 140m. per 100 kilos.

Cod-liver Oil is dull and easier at 58m. per barrel for 1899 edicinal oil.

Peppermint Oil.—HGH is 4.60m. per lb.; Japanese, 7m. per lo.

Russian Anise Oil, 13m. per kilo.; and star-anise oil, 12¾m. r kilo.

The arrivals at this port since Wednesday of last week include ap, 32 packages; sarsaparilla, 32; beeswax, 103; star-anise, 30; ange-peel, 31; musk, 1; kola-nuts, 35. These are of direct imrt.

American Market.

New York April 25

Business generally has been rather quiet, with a steady underne, during the past week. Trade has been almost wholly of a atine character, and there have been no transactions of imrtance.

Opium.—Quotations are nominal at $3.05 to $3.10.

Quinine.—Manufacturers continue to quote 36c., but no busiss is passing. Second hands are willing to sell at from 28c. to ., with small lots available at 27c. No one, however, seems to willing to pay these prices.

Cinchonidine continues firm at 20c. to 21c., but no business of nsequence is reported.

Buchu-leaves are somewhat depressed, in consequence of new ivals, and quotations have declined to 14c. to 16c., according to lder. The receipts during the last month have been almost able those of the corresponding period last year.

Cod-liver Oil is firmer, in sympathy with advices from abroad. lders generally ask $21 for 1898 Norwegian oil, but limited antities are still available at $20.

Peppermint Oil is firmer, in consequence of an active demand. otations, however, remain unchanged, at 75c. for Western, and . for Wayne County.

Senega is firmer, and holders ask 25c. to 26c. for prime stern root.

Sugar of Milk is in unusually good demand, and manufacers can hardly fill orders. Values are strong at 10c. to 12c. for dered, and 15c. to 16c. for crystals.

The Tea Market

ust now suffering from a slump. Not a violent catastrophic np, but that milder, though very depressing, form when prices keep ping back ½d. or ¼d. per week, and buyers will only fill their most ssing requirements. And yet the Indian figures are strong ugh, the deliveries for April, 1899, being 12,793,000 lbs., against 54,000 lbs. for April, 1898; and the stock on April 30, 1899, 67,000 lbs., as compared with 49,457,000 lbs. on April 30, 1898. fact is that the pace during March was a little too fast, and action to some extent was inevitable. Strong as are the stics of Indian tea, the continued falling-off in deliveries of lon cannot but have a depressing effect on the market, the veries during April being 800,000 lbs. behind the deliveries for il, 1898, and the deliveries for the eleven months ending April, 9, being 5,300,000 lbs. below those for the corresponding period ar earlier.

air common Assam Souchong can now be bought at 7¼d., and lon about ¼d. less; Indian and Ceylon brokens, from 7d. to 8d., much cheaper in each case than leaf-teas of that range, and e wonderful value is selling in fine Ceylons, from 8½d. to 11d. ally fine teas. Congous are sharing the general depression, clean sweet Monings have sold down to 6½d. A large quantity oochow Oolong has been placed on the market (some transhipped n New York) and sold at about 6d., showing good value.

Cablegrams.

Bergen, May 4 11 50 A.M.:—The Finnmarken cod-fishing proceeds slowly, and the catch shows no improvement. From the beginning of the season to this moment 26,470,000 cod have been caught, against 30,393,000 last year, and the yield of unrefined medicinal oil is 27,110 barrels, against 19,309. The market is exceedingly slow, and sales of refined medicinal oil have been made at 54s., f.o.b.—a slight decline.

* * * *

Hamburg, May 4, 11 25 A.M.:—Refined camphor is firmer, second-hand holders now wanting 345m. per 100 kilos. Quinine now stands at 48m., and ergot has commenced to advance in price, 230m. per 100 kilos. being wanted for good German.

* * * *

New York, May 4, 3 P.M.:—This market is very quiet, but a few of the heavier staples show a strong upward tendency, except opium, which is in a weak position at $2 93 per lb. Rio ipecacuanha is now selling at $3 50 per lb., and higher rates are expected. Golden-seal root is scarce, and 75c. per lb. is now wanted. Quinine remains at 30c. per oz. in second-hands, and 36c. from makers, but the market is unsettled. German ergot is 22c. per lb., and rather easy. Mexican sarsaparilla is scarce, at 11c. per lb., and sassafras is 6½c., but is advancing.

* * * *

Amsterdam, May 4, 4 48 P.M.—The sales held here to-day were as previously reported, below the average, and they passed off quietly, but although the unit declined, it was better than the value obtained at last week's auction in London. Of the 4,439 packages offered for sale, 3,762 sold at an average unit of 8 50c. per ½-kilo. against 10 90c. in March. The following were the approximate quantities purchased:—American and English factories who published the equivalent of 2 821 kilos; the Brunswick factory, 5,158 kilos.; the Mannheim and Amsterdam factories, 2,757 kilos.; the Frankfort-on-Main and Stuttgart factories, 2,317 kilos., and various buyers, 2,274 kilos. The prices paid for the manufacturing bark ranged from 8¼c. to 76¼c. per ½-kilo.; and for druggists', from 12¾c. to 91c. per ½-kilo.

London Markets.

Acid, Oxalic.—Unchanged, at 3d. to 3⅜d. per lb.

Ammonia-salts.—*Carbonate*, 3d. to 4d. per lb. *Sal ammoniac*, firsts, 35s. per cwt.; seconds, 33s. *Bromide*, 2s 1d. per lb. in 1-cwt. quantities.

Arnica-root is very scarce, and firmly held at 50s. per cwt.

Arrowroot.—A fair quantity of St. Vincent offered, but only a small part sold at 4d. to 4½d per lb. in barrels, and at 5¼d. in boxes.

Asafetida.—A fair export business was done immediately after the auctions last week at rates somewhat in buyers' favour. The fire at the East Quay of the London Docks on Monday leaves about 300 cases undamaged.

Benzoin.—The reports from Penang and Sumatra still indicate that there is very little available there, and holders maintain recent high prices. In second-hands fair seconds have sold at 7l 15s. per cwt.; no sales have yet been made of the fine gum offered last week. Siam is dull of sale, and the large stocks here prevent business.

Benzols.—Easier, at 7¼d. to 7½d for 90 per cent., and 7½d. to 7¾d. for 50 per cent. Pure, 1s. per gallon.

Bismuth.—The metal remains at 5s. per lb.; salts unchanged—subnitrate 5s. 1d. per lb., and carbonate 5s. 8d.

Camphor.—On Monday German refiners advanced their quotations by ¾d. per lb. to 1s. 7½d. for bells in ton lots, the same as English. In second-hands sales of German have been made at 1s. 6½d. to 1s. 6¾d. for half-ton and ton lots. The crude article has been very quiet, with a few inquiries but no actual buyers. There are second-hand sellers of Japanese at 130s. per cwt., c.i.f., and Chinese at 127s. April-June shipment is quoted by one importer at 128s., c.i.f.

CINCHONA.—The Ceylon shipments from January 1 to April 11 were 168,770 lbs., as compared with 201,273 for the corresponding period of 1898 Since the auctions last week sales of 400 to 500 bales are reported, at an advance of $\frac{3}{8}$*d.* on the unit then paid. There have been nibbles for the soft Colombian bark, but no business has transpired. The exports of bark from Java for April were 996 000 Amst. lbs., against 850 000 last year, making a total for the four months of 3 021,800, against 3 225,000 Amst. lbs. last year. The shipments this year have been:—January, 509,800; February, 539,000; and March, 977,000 Amst. lbs.

CIVET.—The current quotation for fair soft is 10*s.* to 11*s.* per oz.

COCOA-BUTTER.—Dearer In auction on Tuesday 85 tons Cadbury's brand sold at 1*s.* $1\frac{1}{8}$*d* per lb, rising to 1*s* $2\frac{3}{4}$*d.*, the average being 1*s* $2\frac{1}{2}$*d.* against 1*s.* $1\frac{1}{2}$*d* last sale; 11 bales of Dutch sold, with all faults, at from 7*d.* to $11\frac{7}{8}$*d* per lb. At Amsterdam on the same day 70 tons of Van Houten's were disposed of, at 65c. to 70c. per half kilo.

CARDAMOMS.—A fair amount of business is passing in Mysores privately at the rates paid in auction.

COCA-LEAVES.—The shipments from Java from July 1 to February 28 were:—

	1898–9	1897–8	1896–7	1895–6	1894–5
Pieuls ...	555	813	645	825	751

COLOCYNTH.—For good pale apple 1*s.* per lb has been paid.

COPPER SULPHATE.—A constantly rising market, in sympathy with the metal and the consummation of the scheme for control of supplies in the United States. Ordinary brands on the spot are quoted to-day at 25*l.* 5*s.*; Anchor brand, 26*l.* 15*s.*; and Macclesfield, 26*l.* 10*s.* per ton. The bulk of the second-hand offerings have now been cleared.

CUBEBS.—The Java shipments from July 1 to February 28 were—

	1898–99	1897–98	1896–97	1895–96	1894–95
Piculs...	2,355	4,985	907	2,608	1,667

DRAGON'S BLOOD.—We hear of no business since the auctions. Since our last Singapore report 4 cases have been shipped there (on March 31) to London, and we hear of other shipments since both to U.K. and U.S.

ERGOT OF RYE.—Fair sifted German is now 1*s* 1*d.* per lb, but the market is dull and overloaded.

GALLS.—Unchanged, with small sales of Persian blue at 62*s* 6*d.* and green at 55*s.* per cwt.

The February shipments from Shanghai were 4,314 pieuls. No stocks were available there on March 24.

GLYCERIN.—There have been rumours this week that the convention of English makers is breaking up, as owing to strong "outside" competition, it has not been on a satisfactory basis for some time, and, in fact, it is now practically a dead letter. The consequence is that very low offers are going about—viz,, 49*s.* per cwt. in ton lots and even less, for English refined s.g. 1 260, in tins. There has been keen competition among the makers lately for what few orders have been about.

GUMS, VARNISH.—The number of packages offered in auction to-day totalled 8,437. Of these, 3,836 were Kauri, and 3,154 were Copal. The prices obtained show little fluctuation from last month, Kauri and Copal being, if anything, slightly cheaper, while Animi was a shade dearer. Damar and grass-tree gum did not sell, although some fine white Batavian Damar was on show. The following are some of the prices:—

ACCROIDES.—The entire supply offered (104 bags) of blocky sorts was sold at 12*s.* 6*d.* per cwt.

ANIMI.—Eighty-eight packages were offered; 26 sold. Good pale to ambery sorts, 12*l.* 17*s.* 6*d.* to 13*l.* 5*s.*; weaker sorts, 10*l.* 15*s.* to 11*l.* 5*s.*; brownish bean and pea, 7*l.* 10*s.* to 8*l.* 17*s.* 6*d.*; yellowish kinds, 5*l.*; mixed chips, 55*s.*; smaller ditto, 27*s.*; chippy dust, 28*s.* to 33*s.*; woody, 11*s.*

COPAL.—Benguela, 5*l.* 12*s.* 6*d.* to 5*l.* 15*s.*; fair scraped, 87*s.* 6*d.* Angola, yellowish, part scraped, 75*s.*; sweepings, 5*s.* Good bold pale, hard scraped, Singapore from 60*s.* to 62*s.*; pale to ambery, 41*s.* 6*d.*; ambery to brown, 51*s.* to 54*s.*; darker sorts, 32*s.* 6*d.* to 37*s.* 6*d.*; pale chips, 21*s.* 6*d.* to 24*s.*; clean yellow ditto, 17*s.* to 19*s.* 6*d.*; dark and dusty ditto, 12*s.* 6*d.* to 15*s.*; good bright nubbles, 30*s*; duller ditto, 16*s.* to 17*s.*; sweepings, 8*s.* to 13*s.* Total packages sold, 1,238.

KAURI.—Fine dial, 16*l.* 12*s.* 6*d.* per cwt. poorer qualities, 7*l.* 5*s.* to 11*l.* 10*s.* Fine bold pale to amber selected, 12*l.* 2*s.* 6*d.*; re-scraped,, 8*l.* 2*s.* 6*d.*; fine white chopped, 6*l.* 5*s.* to 7*l.* 5*s.*; ambery ditto, 5*l.* to 5*l.* 2*s.* 6*d.* Brown varieties, good clean scraped, 7*l.* to 8*l*; darker qualities, 5*l.* to 6*l.* 5*s.*; part scraped, 87*s.* 6*d.* to 95*s.* 6*d.*; half-scraped, 69*s.* to 75*s.* Chips, good pale, 71*s.* to 85*s.*; good blue, 67*s.*: brown, 66*s.*; red, 65*s.*; fair bright, 53*s.* to 56*s*; duller, 48*s.* to 50*s.*; coated, 36*s.*; chippy dust, 34*s.*; darker sorts, 19*s.* 6*d.* to 27*s.* Dust, pale, 19*s.*; brown, 10*s.* 6*d.* to 11*s.* 6*d.* Brown pickings, 30*s.* Bush, fine, 8*l* 2*s.* 6*d*; good bold, 7*l.* 15*s.*; darker, 5*l.* 10*s.* to 5*l.* 17*s.* 6*d.*; pickings, 32*s.* to 34*s.*

OLIBANUM.—There were 529 packages of good quality offered, but only 54 packages sold publicly. Fine pale to amber drop was limited at 40*s.*; good bold greenish sold at 36*s.*; and a few lots bean and pea size at prices ranging from 22*s.* to 27*s.*

SANDARAC.—Of the 40 bags of Australian gum catalogued 9 bags of mixed pale to dark sorts sold without reserve at 25*s.* 6*d.* per cwt.

GUM TRAGACANTH has been in good demand, and all qualities have been dealt in. Fine Persian firsts have sold at extreme rates, while seconds have realised 12*l.* to 13*l.* 15*s.*; thirds, 11*l.*; fourths, 6*l.* 15*s* to 10*l.* 5*s*: and lower grades, 60*s.* to 6*l.* 10*s.* per cwt.

IODINE.—The amount shipped from Valparaiso during 1898 was 242,937 kilos., an increase of 36,542 kilos. over the figures for 1896. The value was $2 429 370 ($1 = 3*s.* 2*d.*). About two-thirds of the above amount went direct to the United States.

IPECACUANHA.—After the auctions last week, small sales of Rio were made at 13*s.* 6*d.* per lb., but importers are now holding out for 15*s*, although business has been done at 14*s.* Cartagena is quiet, the last prices paid being 10*s.* 9*d.* to 11*s.*

LYCOPODIUM has been advanced to 1*s.* 3*d.* per lb., c.i.f.

MENTHOL.—Good white Japanese crystals can be bought at 6*s.* 9*d.* per lb. spot, in quantity, and the market is weak at this figure. Some holders have taken their supplies off the market waiting better prices, and advices from Japan this week notify an advance of 6*d.* there.

MERCURIALS have been advanced 1*d.* per lb. to-day in consequence of the rise in metal The following are now the list prices:—Calomel, 2*s* 10*d.* per lb; corrosive sublimate, 2*s.* 6*d.*; red precipitate, 3*s.* 1*d.*; white precipitate, 3*s.* 2*d.*; yellow precipitate, 3*s.* 2*d.*; with the usual reductions for quantities up to 1 ton.

MUSK.—Since the auctions a fair business has been done at 60*s.* to 62*s.* 6*d.* per oz. for Pile I.

The shipments from Shanghai during February were $91\frac{1}{2}$ catties, as follows: New York, $30\frac{3}{10}$; Hamburg, $22\frac{1}{16}$; London, $11\frac{13}{16}$; Marseilles, $9\frac{1}{8}$; Kobe, $7\frac{3}{10}$; Hong-Kong, 1; and Paris, 9 catties. Shanghai reports, dated March 24, quote unchanged but firm prices. Tonkin has been in more demand, and the United States has been a buyer.

OIL, BERGAMOT.—The Messina market is lower this week at 7*s.* 9*d.* per lb., c.i.f., for genuine oil.

OIL, CASTOR, is in fair demand, Italian being quoted 33*s.* per cwt., c.i.f., for medicinal. Hull made, first pressing is 24*l.* 15*s.*, and seconds, 23*l.* 5*s.* in barrels, ex-wharf London.

OIL, CHAULMOOGRA.—Again dearer, holders here having advanced their quotation from 3*s.* 3*d.* to 3*s.* 6*d.* per lb.; none under this. The stock in London is estimated at about 15 cases only, and when this has been partially sold prices will again advance. The crop this season has turned out practically a failure.

OIL, CLOVES.—English oil has been reduced 1*d.* per lb. to 2*s.* 7*d.*, and 1*d* per lb. less for 12 Winchesters.

OIL, COD-LIVER, remains in the same depressed condition, but a few barrels have been sold at 58*s.* per barrel, c.i.f.

OIL, GERANIUM.—In fair inquiry. Genuine French "De Grasse" oil is quoted 30*s.* to 36*s.* per lb.; D'Afrique, 16*s.* 6*d.*; and Bourbon, 14*s* 6*d.* to 16*s.* per lb.

OIL, ORANGE.—Sweet is quoted 6*d.* per lb. dearer than last week—viz., 5*s.* 9*d.* to 6*s.* c.i.f.

OIL, ORRIS (CONCRETE).—English distillers have reduced their quotation by 1*s.* per oz. to 24*s.*

OIL, PEPPERMINT.—Quiet. Japanese dementholised is firm at 2*s* 10*d.* per lb. spot, and 40-per-cent. oil, 4*s.* 9*d.* Cabl-

quotations from Japan are unchanged. For 5-case lots of HGH, 4s. 9d. per lb., or even less, would be accepted, lower offers having been made.

It is predicted that the peppermint crop of Michigan will be very small this year, owing to the long cold spring. Although this is the time to reset the plants, the fields were not even ploughed a fortnight ago.

OIL, SPEARMINT.—Producing markets are reported stronger, but price is unchanged at 3s. 9d. per lb., c.i.f., and upwards.

OIL, STAR-ANISE.—Continued weakness prevails, and quotations are barely maintained at 5s. 6d. per lb, spot.

OIL, TURPENTINE.—Since our last quotation the market has been advancing almost daily, and as we close for press the quotation for American, immediate delivery, is 34s. 3d. per cwt. Savannah advices continue to report a strong market, with a heavy export demand and light receipts.

OPIUM.—Quiet, with a small business in the medium grades of Persian at 10s. 3d. to 10s. 6d. per lb. During the last ten days there has been a good demand for manufacturing kinds, and Turkey druggists at slightly easier prices. Good to fine Smyrna is quoted 8s. 6d. to 9s, and seconds druggists at 7s. 9d. to 8s. 3d per lb

SMYRNA, April 29.—Owing to a slight advance in the price of opium in America during the course of the month, large transactions took place at 4d. per lb. advance all round, but within the last week a sudden drop took place, and quotations now are 8s. 3d. to 8s. 2d. per lb., as to quality. The total sales during the month amount to 250 cases, 170 of which are for America. Crop prospects are still excellent, and a very large output (10,000 cases) expected. The arrivals of opium since June 10, 1898, amount to 1,321 cases, against 3,456 cases at the same period last year. The stock is about 1,371 cases (not calculating what is held on speculation), and in Constantinople 235.

CONSTANTINOPLE, April 29.—An even tone has prevailed during the past week, and market is nominally quiet, but steady, without much business. The only sale is a small lot of 4 cases Malatias, firsts and seconds, at the parity of 8s. 3d. per lb., f.o.b. The crop continues favourable.

PHENACETIN.—Competition in this article is becoming still keener, and for wholesale quantities agents would be willing to accept 3s. 3d. per lb., and sales have been made at this figure. The general quotation for the better makes is from 3s. 6d. to 3s. 9d. per lb.

POTASH SALTS.—English yellow prussiate is firm, and in short supply, at 8d. to 8¼d. per lb., spot. Bromide 1s. 10d. per lb, in 1-cwt. lots, and iodide 10s. Bicarbonate is firm, at 32s. 6d. to 35s. per cwt., according to make.

QUICKSILVER.—On Tuesday the importers raised their price, by 2s 6d per bottle, to 8l., and on Wednesday another 6d. was added. China is again the moving factor. Second-hand holders are not quoting.

QUININE has slightly improved its position since last Thursday, when the quotation for August delivery was 1s. 4d. per oz, with sales in that position, and before the close of the week a good business was done on the spot at 1s. 5¼d.; July, 1s. 5¼d. to 1s. 5½d.; and August delivery at 1s. 6d. to 1s. 6¼d., and finally 1s. 5¾d. This week opened at the latter figure, with a moderate business, but on Tuesday sellers held for 1s. 6d., with buyers at 1s 5¾d.; but before the day closed some 20,000 oz. changed hands at 1s. 5½d. per oz. for August delivery, the business being done by bear speculators, who anticipate a reduction of the unit at Amsterdam. On Wednesday the market fluctuated between 1s 5¼d. and 1s. 5½d., closing at the latter figure for August delivery. To-day no business has been done, waiting the result of the bark-sales. A record shipment of Java quinine has come to hand this week—viz., 175 cases, each case containing four 100-oz. tins, or 70,000 oz. altogether. To-day's quotation for this make is 1s. 4½d for 1,000-oz. lots, or 1s. 4d. for small quantity. Imperial is quoted 1s. 5d.

The shipments from Java during February were 103 cases to London and 25 to Amsterdam. From July 1, 1898, to February 28, 1899, 842 cases were shipped, as compared with 119 cases for the same period of 1897–8. We hear that another 250 cases of quinine have been delivered by the Paudam Aroem factory of Batavia to the Dutch Indian Government. The quinine is reported to be of good quality, and every consignment is carefully examined. We simply mention this to show what Java is doing, and how the Government encourages the native manufacture; in fact, we have reason to believe they have bought the bulk of this factory's output from the beginning.

RHUBARB moves off very slowly, and transactions are almost of a retail character. No export business of importance is being done.

The shipments from Shanghai during February amounted to 136 piculs, of which 55 went to Hong-Kong, 50 to London, 27 to Hamburg, and 4 to New York. Advices dated Shanghai, March 24 report a scarcity of good sound root; good flat high-dried and Shensi have found ready purchasers.

SEEDS are quiet generally. *Caraways* sell at 22s. 6d. per cwt. for fair Dutch. *Coriander* steady at 7s. per cwt. for old Morocco. *Fenugreek* firmer at 7s. to 7s. 6d. per cwt., according to quantity. *Canary* steady, but little doing; Turkish is quoted at 26s. per qr. *Cumin* quiet; good Morocco has sold at 24s. per cwt.

SENNA.—A good second-hand business has been done this week, including good bold Tinnevelly leaf at 7d. per lb. In Alexandrian, old-crop siftings have sold at 2¾d. and pods at 4½d

In regard to Tinnevelly senna, it will be observed from the stock-list that all kinds of senna have shrunk to the extremely short supply of 612 bales. This includes Alexandrian and Mecca varieties, and also a residuum of low-quality Tinnevelly, the value of which, even at present high prices, would probably not cover the accumulated rent. The average stock of the past five years at this time of the year was 1,565 bales—almost 1,000 more than at the present moment; and it must not be forgotten that this is the visible supply. The invisible stocks in private warehouses, both here, in the United States, and on the Continent have been, it is reliably reported, almost depleted. The average deliveries during May to July inclusive—that is to say, until the new crop becomes available—was, for the past five years, 822 bales; and from this it will be seen that a pinch is certain before the arrival of the new crop. Arrivals have shown for some time past, both by their smallness and by their quality, that scarceness on the other side is real, and not pretended.

SPICES.—There has been more activity this week than for some time past, both pepper and cloves being in good demand at advancing prices. The business in cloves has been to a great extent covering by "bears," and the present quotation, therefore, may be too high in the face of large arrivals; but the market is at the moment in the hands of the "bulls" The rise in pepper is due to short shipments from the Straits, but European stocks have not diminished much during the last two years, and present prices are comparatively dear. The sales on Wednesday were small, but more than sufficient, very few lots being sold. Common dark small rough Cochin *Ginger* brought 16s. 6d. per cwt., and washed rough, sea-damaged, first class, 21s. per cwt. Jamaica partly sold at steady rates: middling dull to fair washed, 62s. to 72s. 6d. per cwt. Zanzibar *Cloves* dearer, 3 9/16d. per lb. having been paid for delivery, near positions, and 3 13/32d. for distant. *Chillies* were bought in at 40s. per cwt. for good red Japan. Some yellow East India *Capsicums* were offered, but no bid was made. *Pimento* lower; a small lot of ordinary sold at 4⅛d. per lb. Wild *Cinnamon* sold at 6¼d. to 6⅜d. per lb. *Pepper* dearer: Singapore black has sold at 5⅜d. per lb. on the spot, and at 5 11/16d. for distant shipment Tellicherry and Alleppy are in more demand, at 5⅛d. to 5 3/16d. per lb. Singapore white to arrive is quoted 8 11/16d., and Penang 8¼d. per lb., for June-August steamer.

TEREBENE has been advanced to 1s. 2d. per lb.

TUMERIC.—The shipments for February, from Shanghai, during February, were 128 piculs, all of which went to Marseilles.

WAX, BEES'.—All kinds remain firm, and in so short supply that business is nominal.

WAX, JAPAN.—Good pale squares have been sold at 31s. 6d. per cwt., spot, but for forward delivery no business is reported. The c.i.f. price is 29s. 6d.

WAX, PRAFFIN.—Crude, 1¾d. to 2d.; refined, 2¼d. to 3d.

THE FEDERATION'S SEVENTH.—Mr. R. C. Cowley, Secretary of the Federation of Local Pharmaceutical Associations, on Wednesday issued his "Seventh communication." It is a petition which chemists are invited to sign pledging themselves to support the Council of the Pharmaceutical Society in its endeavour to effect such an amendment of the law as will relieve chemists and druggists qualified under the Pharmacy Act, 1868, from limited company interference.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.

The First Examination.

We have received from the Registrar of the Pharmaceutical Society of Great Britain the following list of candidates who were successful at the First examination, held on April 11:—

Adam John C., Dunblane
Adamson, Armit H., Leven
Aitchison, Robert C., Biggar
Alexander, James, Stirling
Allen, John E., Blackpool
Avery, Francis H., Birmingham
Balderston, Wm. T., Spilsby
Barclay, James G., Paisley
Barnard, Alfred B., Maldon
Barnes, Ernest B., Glossop
Barrie, Alexander Y., Dundee
Barton, John W., Wisbech
Bateson, Harold M., Dalton-in-Furness
Bayley, John W., Brighton
Beare, John H., Launceston
Bigwood, Hubert H., Sidcup
Black, James, Leslie
Blewett, William H., Bedale
Bower, Samuel G., Ulverston
Breingan, William, Glasgow
Brentnall, Percy W., Ripley
Brooks, Frank E, Newbury
Bruce, Henry L., Aberdeen
Brunton, Alexander, Dumfries
Buckley, Chas. O., Castleford
Burnett, Douglas G., Fraserboro'
Burns, Andrew Bell, Ayr
Burton, Arthur S., Long Eaton
Byron, George H., Grantham
Chalmers, John M., Perth
Chisholm, C. H. S., Kingussie
Christopher, R. T., Sleaford
Clarke, George H, Edinburgh
Colclough, F. R., Connah's Quay
Cook, James, Colinsburgh
Cooper, Thos. J., Macclesfield
Crawford, James, Loanhead
Cromblcholme, J., Liversedge
Crowther, Arnold T., Horsham
Davies, Benjamin P., Begelly
Davies, Charles, March
Davis, Charles W., Oxford
Day, William G., Windsor
Deans, Robert, Glasgow
Derrington, Nellie, Birmingham
Dey, Basil A. R., Wishaw
Edward, Mary C., Kirriemuir
Elkington, George W., Lincoln
Elliott, Harry A., Andover
Everton, Arthur, Birmingham
Farmer, Charles F., Spilsby
Farrer, Bartholomew, Stroud
Fergday, Ernest A., Cannock
Ferguson, James S., Dundee
Fewster, Oscar L., Dewsbury
Forbes, John, Aberdeen
Gairn, Andrew B., Edinburgh
Garbutt, John Hall, Malton
Gardiner, W. W., Kirriemuir
Gauld, James, Aberdeen
Gibbon, Theophilus J., Login
Gilkes, J. H., Stony Stratford
Goodyer, N. S., Northallerton
Gregory, G, Newark-on-Trent
Griffin, Jack, Penkridge
Griffiths, Agnes E., Cirencester
Grimshaw, Edmund, Wigan
Groombridge, E. J., Plymouth
Grout, Harry Fred, London
Gwillim, Walter, Stamford
Hart, Frank, jun., Melrose
Hay, Kenneth H., Dingwall
Healey, Herbert B., Harrogate
Heath, Aaron, Cobridge
Hepworth, Raymond, Barnsley
Hill, Gavin Watson, Hamilton
Hole, George R., Trowbridge
Houghton, Frederick, Norwich
Howe, Arthur, Hull
Hutchens, W., Broughty Ferry
Ingamells, Charles H., Boston
Inglis, George, Turriff
Innes, Robert Green, Aberdeen
James, John M., Plymouth
James, John P. W., Eastington
James, Ricardo, Redruth
Jeeves, Gerald Childs, Hitchin
Jeffery, A. G., Londonderry
Jones, Edward G., Pontypridd
Jones, Edwin O., Brynmawr
Jones, Evan, St. Clears
Joscelyne, M. H., Bi's. Stortford
Jung, F. R. W., Southampton
Kay, Allan George, Elgin
Kellas, Robert, Dufftown
Kemp, William H., Lincoln
Kennedy, Jean, Hawick
Kent, Edwin H., Cardiff
Kinder, Edith, Whaley Bridge
Kindness, John, Elgin
Kinghorn, Alexander, Methlick
Kirkman, Edith, Chorley
Knox, George, Oldmeldrum
Lamb, Charles Frederick, Goole
Lawrence, H. S., Stoke-on-Trent
Lawrence L. J., Long Eaton
Lee, William B., Doncaster
Leekie, John R. T., Glasgow
Leonard, R., Nottingham
Lester, H. W. C., Nuneaton
Lill, George H., Boston
Lomax, Leonard, Holmfirth
Lowson, P., Broughty Ferry
McBain, R. M., Fraserburgh
McCurrach, Robert, Aberdeen
McDougall, Jane I., Montrose
McGregor, William, Glasgow
McGregor, Robert, Girvan
McKechnie, Robert, Dumfries
McMillan, John, Stirling
McPherson, Duncan, Aberdeen
Maxfield, Arthur G., Sheffield
Mead, Herbert, Haslingden
Miller, John F., Ashton-u.-Lyne
Minney, Thomas, Hyde
Mitchell, William, Aberdeen
Moir, Samuel, Crieff
Morgan, Percy, Ryde
Moultrie, P. K., Dunfermline
Mundle, Wilfred, Forest Hall
Murray, David, Huntly
Murray, David, Portobello
Newark, Edith H., Coventry
Norman, Cecil, Cheltenham
Oldham, John B., Burslem
Olivant, Percy, Gainsborough
Orme, Arthur Ernest, Alfreton
Owens, Percival E., Glasgow
Parkin, Fredk. A., Doncaster
Parry, Edwin, Llandudno
Paterson, George, Turriff
Payne, Lucy May, Wendover
Peasegood, G. F., Bridlington
Phelps, Wilfrid M., Swindon
Pollard, Herbert, Bradford
Potts, John H., Macclesfield
Price, Robert Edward, Rhyl
Prosser, Mabel Eliza, Coleshill
Rees, Emlyn A. L., Tylorstown
Roberts, J. A. H. C, Blaydon-on-Tyne
Roberts, W. R. S., Edgmond
Robertson, James C., Perth
Rodger, Martin, Motherwell
Rogers, Ernest W. T., Tiverton
Rutter, W., Wallsend-on-Tyne
Salt, Fred, Buxton
Salt, Leonard T., Harrow
Scorgie, Alexander, Edinburgh
Scorgie, Robert Lind, Lauder
Scott, Charles A., Edinburgh
Sheard, Samuel Alfred, Morley
Sigley, Elijah, Grimsby
Simmons, Frank, Cramlington
Simmons, Robert, Cramlington
Simpson, Henry, Berwick-on-Tweed
Simpson, Peter, Carlisle
Sinclair, Thomas L., Woolwich
Skelton, Reginald H, Maryport
Skilbeck, John M., Glasgow
Skues, Ernest, Halifax
Smart, Nevil, Littlehampton
Smith, Francis J., Twickenham
Smith, John H., Clay Cross
Smith, Walter, Hyde
Smithson, Herbert H. S., Gainsborough
Somerville, James, Glasgow
Spence, D., Market Harboro'
Squires, Seth Steggall, Leicester
Stevenson, T. H. D., Stapleford
Stewart, Sinclair R., Hamilton
Tait, Albert Patrick, Forfar
Taylor, Alexander J., Southgate
Taylor, Arthur H., Blandford
Taylor, Leonard H., Coggeshall
Taylor, William, Bedlington
Templeton, Alexander S, Dalry
Tennant, A. P., Newton Stewart
Thomas, Thomas M., Morriston
Thomson, James, Stirling
Thomson, James P., Leicester
Thorne, Herbert L, Boston
Toft, J. F., Dalton-in-Furness
Twidale, Herbert, Wisbech
Vanes, H. W., Weston-super-M.
Vaughan, Samuel L., Leeds
Ventham, Alfred John, Devizes
Wain, George G., Boscombe
Wall, George, Leeds
Waterhouse, W. H B., Fakenham
Watts, Ernest George, Cardiff
Wells, William H., Portsmouth
Whitelaw, George C., Dundee
Wiles, Henry, Haslemere
Williams, E. P., Canonbury
Williams, H., Dalton-in-Furness
Williams, Henry, Hayle
Willis, A. H., New Brompton
Wolff, Hugo, Chester
Wood, John, Burton-on-Trent

London Drug Statistics.

The following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses from January 1 to April 30, 1899, and to the stocks on April 30. Their accuracy cannot be guaranteed.

—	March		Stocks		1899	
	Landed	Delivd.	1899	1898	Imprtd.	Delivd.
Aloes ..... cs &c.	143	157	2,489	2,586	431	705
„ ..... gourds	—	1,783	444	3,312	744	2,020
Aniseed, star ... cs	4	129	85	36	233	153
Balsam.... csks &c.	87	138	764	713	801	412
Calumba-root ..bgs	13	28	673	88	414	277
Camphor.....pkgs	902	397	4,294	10,269	1,783	2,383
Cardamoms ..cs &c.	1,025	484	2,191	1,544	2,222	1,290
Cinchona.....pkgs	2,047	3,709	17,216	21,441	6,155	8,930
Cubebs ..... bgs	—	—	1,880	1,908	127	90
Dragons' blood ..cs	42	11	69	26	79	57
Galls.....pkgs	1	209	3,633	4,018	2,441	1,789
Gums—						
Arabic .... „	1,323	1,145	12,465	9,641	6,219	6,716
Ammoniacum „	—	3	99	32	—	9
Animi & copal „	4,405	3,469	16,880	19,109	16,60	13,996
Asafetida .. „	171	150	615	544	844	489
Benzoin .... „	173	210	1,328	2,891	338	1,154
Damar ..... „	524	550	5,253	3,309	1,832	1,711
Galbanum .. „	—	—	19	—	—	11
Gamboge .... „	—	27	280	265	15	116
Guaiacum .. „	—	1	61	69	31	28
Kauri .....tons	491	278	1,133	444	1,778	1,253
Kino.....pkgs	18	3	123	39	69	11
Mastic ..... „	—	4	25	18	10	15
Myrrh ..... „	19	30	367	466	75	146
Olibanum .. „	269	882	3,277	2,415	2,678	2,716
Sandarac .... „	61	74	736	992	418	423
Tragacanth.. „	174	606	1,503	3,224	2,794	2,777
Ipecacuanha, Rio bls	49	55	72	229	140	226
„ other kinds pkgs	25	59	19	57	118	142
Jalap .....bls	—	35	269	357	35	69
Nux vomica .. pkgs	827	227	728	114	905	313
Oils—						
*Anise .....cs	—	14	262	121	60	75
*Cassia ..... „	—	2	71	113	—	5
Castor..... pkgs	165	223	873	541	781	656
Cocoa-nut ..tons	89	63	190	271	342	353
Olive ....csks, &c.	213	138	796	1,051	891	644
Palm .....tons	6	4	6	15	12	13
†Quinine sulph...lbs	19,440	8,194	142,961	99,239	48,241	17,529
Rhubarb .....chts	2	123	13,339	6,4	237	525
Sarsaparilla..... ..	171	68	442	356	408	332
Senna .....bls &c.	133	406	612	674	725	1,331
Shellac, all kinds cs	4,105	3,542	46,266	60,152	13,901	16,603
Turmeric .....tons	77	36	292	285	123	132
Wax, bees' ....pkgs	306	430	1,032	1,162	598	1,565
„ Japan....	10	62	455	427	382	310

* Stocks of aniseed and cassia oils lying at Smith's Wharf and Brewer's Quay are not included in this return.

† Includes the quantity at Red Lion, Bull, and Smith's Wharves; also the Docks

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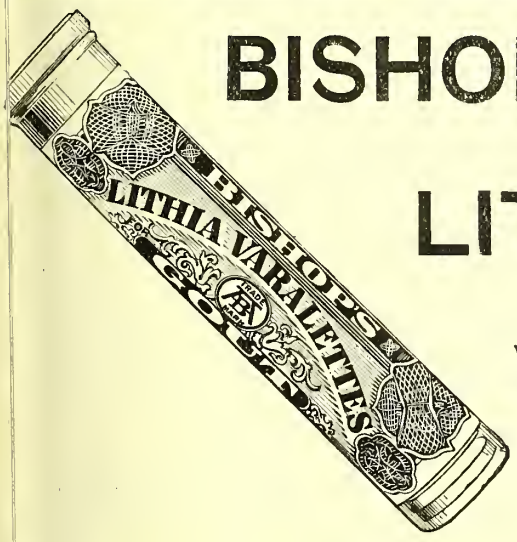

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In box containing 24 days' treatment at **50**/- per doz. Boxes ... Retailing at **5**/- per Box.

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Crescent Brand.

These products are made by the Ammonia Process, and are distinguished from others by their great purity.

Bicarbonate of Soda. A pure, refined, and recrystallised salt is particularly notable by its freedom from metals, or any base other than soda. Gives no appreciable reaction for sulphates, and contains not more than 0·035 per cent. of sodium chloride, a trace which scarcely gives "the slightest characteristic reaction" of the B.P.

This sodium bicarbonate is well adapted for the preparation of granular effervescent preparations and salines, seidlitz powders, baking powders, and for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

Concentrated Crystal Soda. This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

Pure Alkali, 58 degrees. A dry white powder; dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

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Manufactured from pure Carbonate, and supplied of all degrees of strength.

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Acetates of Soda & Potaſh.
Acids, pure.
Ethers, pure & methylated.
Antimony preparations.
Benzoic Acid & Benzoates.
Bicarbonate of Soda (Howards').
BiſmuthSalts,includingSalicylas.
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Bromides of the Alkalies.
Caffeine and Citrate, P.B.
Calomel.
Camphor Bells, Blocks & Flowers.
Citrate of Iron & Quinine, P.B.
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Cocaine and its Salts.
Corroſive Sublimate.
Ext. Cinch. Liq. P.B., & H. & S.
Iodides of the Alkalies
Iodoform.
Liq. Biſmuthi et Am. Citratis.
Magneſia.
Mercurials.
Rochelle Salt & Pulv. Seidlitz.
Scale preparations.
Spirit preparations, and for Export under drawback.
Terebene.
Zinc and Iron Sulphates, &c.

AND OTHER PHARMACEUTICAL CHEMICALS.

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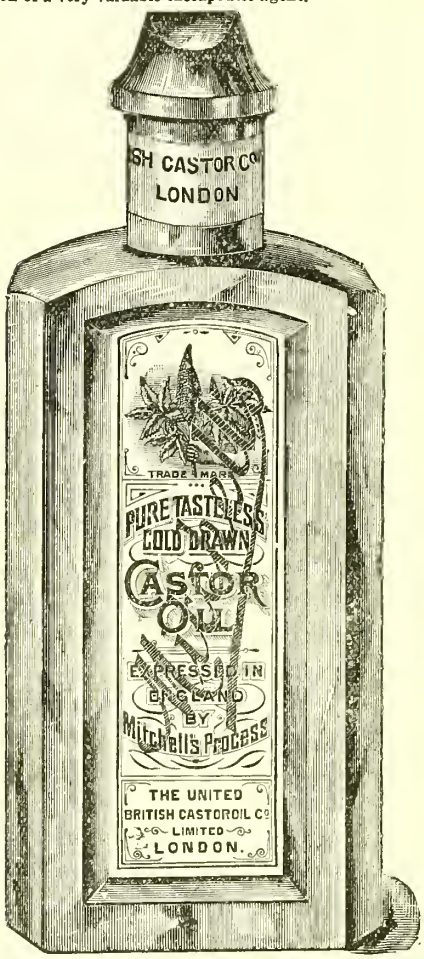

The *British Medical Journal* of 18th May, 1895, says:—"Castor seeds have, unless very old, a pleasant nutty flavour, and the disagreeable taste of ordinary Castor Oil has been produced by the conjoint action of moisture air, heat, and fermentative changes during the expression of the Oil from the Seeds and its subsequent treatment. An oil can be obtained as pleasant to the taste as the fresh seed, if the expression is not assisted by artificial heat, and the Oil at once freed from impurities by filtration without heat, in vessels from which air is excluded, and bottled *in vacuo*. . . . By MITCHELL'S COLD PROCESS . . . . the Oil thus obtained has a simple bland taste, resembling olive oil, the nauseous taste associated with the ordinary Cold Drawn Castor Oil being entirely absent."

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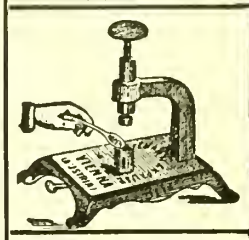

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Per lb. 10*d.*; 1 cwt. 90/-; in 4-28 lb. Tins. Tins and Cases free.

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Per gross	50/-	88/-	144/-

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Per lb. 9*d.*; 1 cwt. 74/-; in 4-28 lb. Tins. Tins and Cases free.

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Raspberry flavour, tinted	per lb. 1/-	per cwt. 70/-
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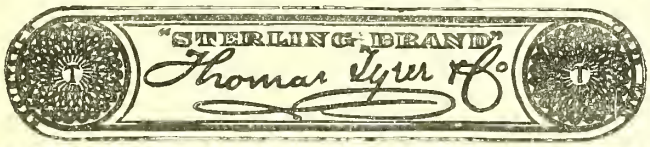

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PRICES.—Beecham's Pills, 9½d. size (36 pills)...	... 7/-
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2s. 9d. ,, (168 ,,)...	... 25/-
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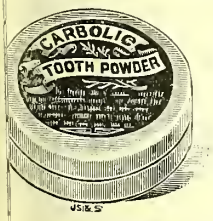

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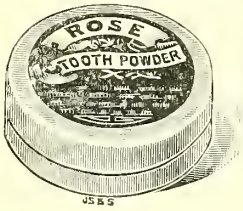

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¼ lb. Patent Lid Tins, Gold and Colour Printed,

3 - per doz. 3 doz. for **8/9.**

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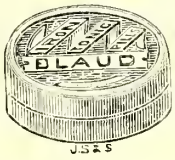

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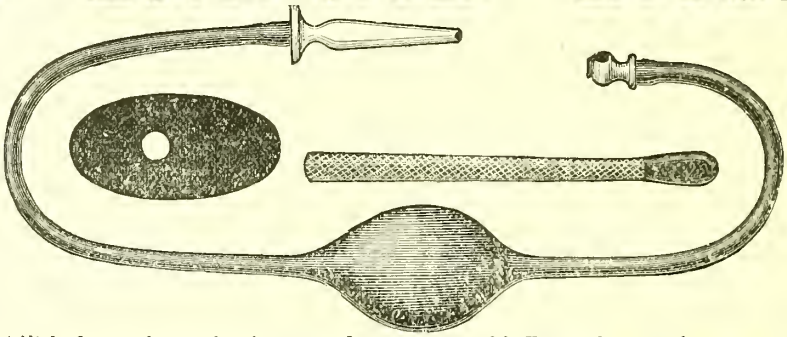
16/- PLUS 10% PER DOZ. UNPOLISHED.



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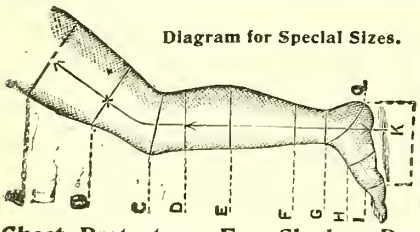
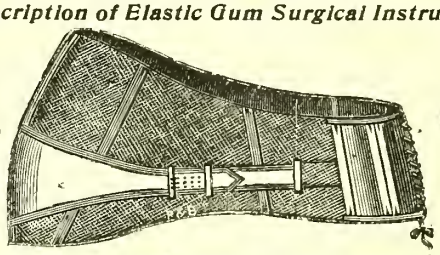
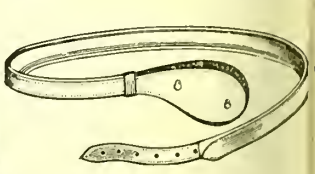






Chest Protectors, Eye Shades, Respirators, Indiarubber Goods, Pessaries, Bath Gloves, Hot Water Bottles, Sponge Bags, Catheters, Bougies, Specula, Artificial Limbs, &c., &c.

Male and Female Attendants for Special Orders. Measurement forms free. Detailed Price Lists on application.

SURGICAL DRESSINGS.

ABSORBENT COTTON LINTS, FLAX LINTS, ROLL BANDAGES, COTTON WOOLS.

"GAMGEE TISSUE
(Patent Absorbent Gauze and Cotton Wool)
AND
All kinds of ANTISEPTIC DRESSINGS

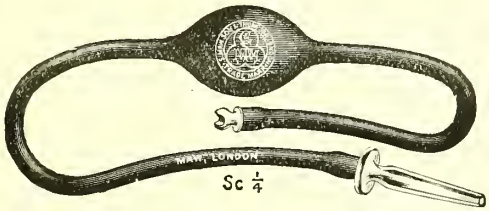
MANUFACTURED BY

ROBINSON & SONS, LIMITED, COTTON SPINNERS, WEAVERS, And BLEACHERS, **Wheat Bridge Mills, CHESTERFIELD**

And 55 Fann Street, Aldersgate Street, LONDON, E.C.

MAW'S

SEAMLESS



S. MAW, SON & THOMPSON,
7-12 Aldersgate Street, LONDON.

ANTISEPTIC DRESSINGS, &c.

		Percentage	In Paper Parcels		In Boxes		In Sealed Tins	
			s.	d.	s.	d.	s.	d.
GAUZES (36 in. wide)—Boric ...	per dozen yards	25	1	9	2	0	2	3
Carbolized, unbleached	" "	5	1	8	1	11	2	2
Iodoform	" "	10	4	0	4	3	4	6
Iodoform	" "	5	4	0	4	3	4	6
Lister's Cyanide of Mercury and Zinc	" "	3	3	2	3	5	3	8
Sal Alembroth	" "	1	1	9	2	0	2	3
Salicylic	" "	4	2	4	2	7	2	10
Sublimate, Unbleached	" "	¼	1	6	1	9	2	0
LINTS—Boric...	per lb.	45	1	6	1	9	2	0
Carbolized	"	5	2	0	2	3	2	6
Cyanide of Mercury and Zinc	"	3	3	4	3	7	3	10
Iodoform	"	10	5	0	5	3	5	6
Sal Alembroth	"	2	2	1	2	4	2	7
Salicylic	"	4	2	4	2	7	2	10
Sublimate	"	¼	2	0	2	3	2	6
WOOLS—Boric	"	45	1	4	1	7	1	10
Carbolized	"	5	1	6	1	9	2	0
Cyanide of Mercury and Zinc	"	3	2	8	2	11	3	2
Iodoform	"	10	4	6	4	9	5	0
Sal Alembroth	"	2	1	6	1	9	2	0
Salicylic	"	4	1	9	2	0	2	3
Sublimate	"	¼	1	4	1	7	1	10

S. MAW, SON & THOMPSON, 7 to 12 Aldersgate Street, **LONDON.**

No. 113,583. Dispensing. Imitated, but not equalled.

H. GILBERTSON & SONS

Established 1790. (LIMITED).

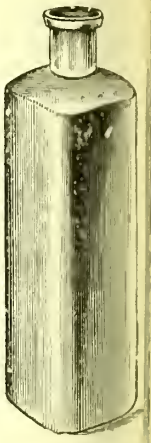
Dispensing Bottles

A SPECIALITY.

Extract from *C. & D.*, Nov. 19th, 1892:—"There has been no hit in the bottle line of recent years which has been so well responded to by the Trade."

MADE IN TWO QUALITIES ONLY—SUPER & ORDINARY.

Samples Sent on Application.



"G" Square.

DRAWN FROM STOCK.

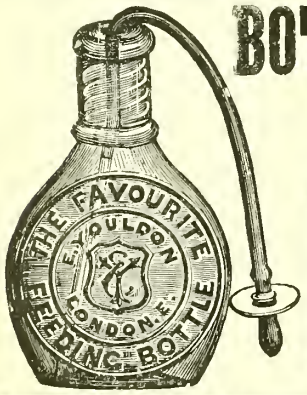
SIZE.		SUPER.	ORDINARY.
2 oz.	Per Gross	9/3	6/8
3 oz.	,,	10/9	8/-
4 oz.	,,	10/9	8/-
6 oz.	,,	12/-	9/6
8 oz.	,,	12/-	9/6
10 oz.	,,	18/-	12/-
12 oz.	,,	18/-	13/6
16 oz.	,,	21/6	18/9
20 oz.	,,	27/-	21/6
24 oz.	,,	32/6	27/-
32 oz.	,,	43/-	30/-
40 oz.	,,	49/-	32/-

IN CRATES DIRECT FROM WORKS.

SIZE.		SUPER.	ORDINARY.
2 oz.	Per Gross	9/-	6/6
3 oz.	,,	10/3	7/6
4 oz.	,,	10/3	7/6
6 oz.	,,	11/6	9/-
8 oz.	,,	11/6	9/-
10 oz.	,,	17/6	11/3
12 oz.	,,	17/6	12/6
16 oz.	,,	21/-	17/6
20 oz.	,,	26/-	20/-
24 oz.	,,	32/-	26/-
32 oz.	,,	41/-	29/-
40 oz.	,,	48/-	31/-

9 & 11 ST. ANDREW STREET, HOLBORN CIRCUS, LONDON.

BOTTLES FOR ALL REQUIREMENTS



Trial Orders and enquiries solicited by

E. YOULDON,

ESTABLISHED 1840,

East London Glass Bottle Warehouse,

36, 38 & 40 GREAT GARDEN ST., WHITECHAPEL, LONDON, E.

Telegraphic Address—"YOULDON LONDON."

DISPENSING BOTTLES.

THE NORTH LONDON GLASS BOTTLE COMPANY

(I. ISAACS & CO., Proprietors)

Beg to Inform the Trade that they have made a further reduction in the price of their Bottles, as follows:—

The NEW SHAPE FLAT BOTTLES, with rounded edges, plain or graduated—

3 & 4 oz. ..	*7/6* per gross.	10 & 12 oz. ..	*12/-* per gross.
6 ,, 8 ,, ..	*8/6* ,,	16 ,, ..	*16/-* ,,

WHITE MOULDED PHIALS, plain or graduated Teaspoons—

½ oz... ..	*3/6* per gross.	1½ oz.	*4/6* per gross.
1 ,, ...	*3/9* ,,	2 ,, ...	*5/-* ,,

PLEASE NOTE.

Six gross and upwards, assorted or otherwise, are carriage paid to any address in England; smaller quantities not carriage paid.

I. ISAACS & CO., Glass Bottle Manufacturers,
106 MIDLAND ROAD ST. PANCRAS, LONDON.

Established 50 years. *Bankers—London and Westminster Bank.*

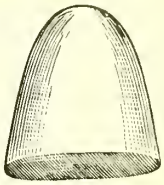
TO CLINICAL THERMOMETER BUYERS SHIPPERS, &c.

DENTON'S CLINICAL THERMOMETERS have had constantly-increasing sale for upwards of a quarter a century. They are guaranteed the best English mak There are various patterns to choose from. They are reliabl accurate, and neat. One trial is sufficient to recommer them. They are in use all over the world. All standa patterns kept in stock (special kinds and scales made order). Our latest pattern, the "Quickset," can be "se with only one or two shakes, thus avoiding the trouble swinging the arm for five minutes. They are the greate boon on the market for Nurses, as they save fatig Wholesale of

S. G. DENTON (Maker to the Government)

Correspondence invited. 25a Hatton Garden, LONDO

RENDELL'S



"WIFE'S FRIEND" SOLUBLE QUININE PESSARIES.

IMPORTANT NOTICE AND CAUTION

everal Injunctions in the High Court of Justice having already been obtained against "Infringers" eports of which have appeared in "The Chemist and Druggist," the most recent being in issues of pril 24 and May 29, 1897, and March 19, 1898), W. J. RENDELL'S SOLICITORS are instructed to take roceedings against all persons (Makers or Vendors) fraudulently using the name of "W. J. RENDELL," "RENDELL," or any colourable imitation thereof, in connection with Pessaries ***not*** manufactured by

W. J. RENDELL,

Inventor and Sole Maker of the "WIFE'S FRIEND" SOLUBLE PESSARY,

15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.

See that the Registered Trade Mark and Number (but in red ink) are upon each box thus:—

Registered Trade Mark without which none are genuine. No. 182,688.

W. J. Rendell

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

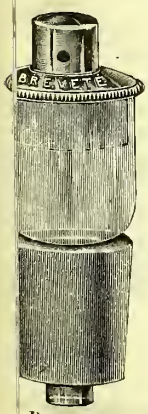
THE NEW TOPPER MEASURE

("AUTO-MEASURE KEMPER")
(AS ILLUSTRATED).

Made in Two sizes—Tea & Table Spoon

Retail Price, 4d. & 6d.

n be obtained from the following Wholesale Houses:

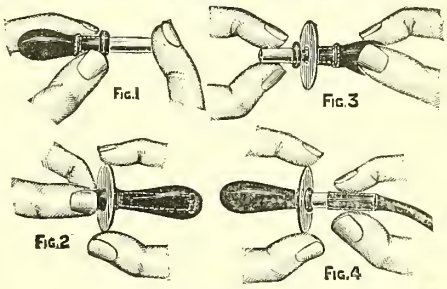


Patented.

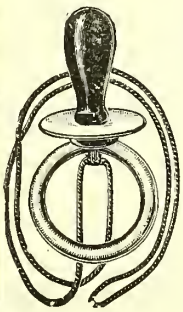
S. Maw, Son & Thompson, LONDON
Burgoyne, Burbidges & Co. „
Bourne, Johnson & Latimer „
Baiss Brothers & Co. „
Grimwade, Ridley & Co. „
Evans, Sons & Co., LIVERPOOL.
Ayrton & Saunders „
James Woolley, Sons & Co., Ltd., MANCHESTER.
Southall Bros. & Barclay, Ltd., BIRMINGHAM.
Raimes & Co., YORK.
Raimes, Clark & Co., EDINBURGH.

PATENT HOLDFAST SOOTHERS AND FEEDING BOTTLE UNIONS.

Well moisten Union and push into Teat, as shown in Fig. 1.
Pull Teat through hole in Shield, Fig. 2.



Pull Teat up to shoulder, Fig. 3.
To detach pull off tubing, as Fig. 4, and push back Union into Teat.



ADVANTAGES.

Absolute fixture of Teat and Shield, therefore impossible to get out of place by accident.
Complete Bone and Rubber Rings. Attractive get up, with Whistles, Bells, &c.
A SET OF SAMPLES, containing 1*d.*, 2*d.*, 3*d.*, 4*d.*, 6*d.*, and 1*s.* lines, Post free for 2*s.*
Send Postal Order.

Patentee and Manufacturer—

A. S. CARTWRIGHT,
75 Ford Street, Hockley, Birmingham.
Wholesale and Shippers only.

REGISTERED TRADE MARK

VIMULE

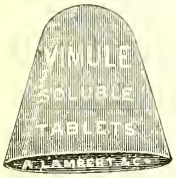
REGISTERED TRADE MARK

SOLUBLE TABLETS

PREVIOUSLY ADVERTISED AS

LAMBERT'S SOLUBLE QUININE TABLETS.

PERFECTLY PREPARED.



ABSOLUTELY RELIABLE.

SALE UPWARDS OF 8,000,000.

These Tablets are manufactured by us of the best materials procurable. We guarantee every one to be of accurate proportions, and can with confidence recommend them to the trade as one of the best ever introduced.

They are packed in specially neat metal boxes of 1 doz., and sealed with our Registered Label, without which they are not genuine.

Our method of packing particularly adapts them for exportation. Being practically air-tight they will keep in perfect condition for a long period, and liability to injury by variation of climate is reduced to a minimum.

Advertised to retail at 2/- per box of 1 dozen. 5/- for three boxes. 9/6 for six boxes. 17/- for 12 boxes.

Trade Price.

12/6 net per dozen boxes of 1 dozen each.
Single boxes 1/3, including postage.
Orders of ½ doz. boxes and upwards sent post free.
Can be obtained through any wholesale house.

PERFECTLY PREPARED.

TRADE PRICES MODERATE.

SALE UPWARDS OF 8,000 000.

A. LAMBERT & CO., 16 DALSTON LANE, LONDON, N.E.

An Ideal Disinfectant.

Although there is an almost unlimited number of disinfectants on the market, many of these, whilst good as disinfectants, possess a most objectionable odour, and corrode anything on which they fall. We desire to introduce a disinfectant the smell of which cannot offend the most sensitive, and which will not injure any article with which it may come into contact.

SNOWDRIFT DISINFECTANT

is what has long been desired and sought for. It destroys every kind of microbe and germ. It can be used for every purpose for which disinfectants are used, but in addition it is refreshing in the bath, and is extensively used in laundries, both for softening water and also for purifying linen. Finally, it is very cheap, as it can be diluted with water, in the proportion of from 1 to 25 to 1 to 100. Prices and all details on receipt of trade card.

Send for a Sample.

SNOWDON, SONS & CO., Ltd.,
Manufacturing Chemists,
Millwall, London, E.

PARIS UNIVERSAL EXHIBITION OF 1900.

ENGLISH AND AMERICAN AGENCY.

ATTENDANCE AT SHOWS, DISTRIBUTION OF CARDS AND PRICE LISTS FOR

CHEMISTS' AND DRUGGISTS' GOODS.

Personal care given to Jury Examination. All information and terms given on application to

A. SMYTH & CIE., Commission Agents, 18 Rue de la Chaussée d'Antin, PARIS.

WOODRUFF'S CELLULOID SPRAY APPARATUS

FOR THE NOSE AND THROAT.

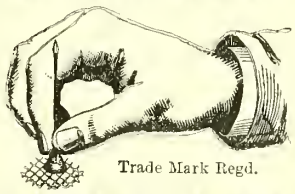
PATENTED IN ENGLAND AND ABROAD.

WRITE FOR PARTICULARS TO **T. WOODRUFF, Ph.C., WITHINGTON, MANCHESTER.**

THE ASSOCIATION FOR THE SUPPLY OF PURE VACCINE LYMPH.

(ESTABLISHED 1877).

12 PALL MALL EAST,
LONDON, S.W.



Trade Mark Regd.

Telegraphic Address—
"DARQUE LONDON."

Office Hours—
10 till 4. Saturdays, 10 till 2.

GLYCERINATED CALF. PURE AND RELIABLE.

THE NEW CHARGED PIN-POINT, PROVISIONALLY PROTECTED.

C. P. P.

This instrument, antiseptically charged with Glycerinated Calf Vaccine (G. c. L.), supersedes the S.V. (Single Vaccination) Tubes, and by its aid alone more certain and better results have been obtained than by any other mode of Vaccination. On three occasions, at New Scotland Yard, in the revaccination of recruits, by the Surgeon of the A Division of Police, a total of 51 perfect vesicles were obtained from as many insertions.

Price 6d. each singly. Postage extra.

P.O.O. (including postage, and crossed London and Westminster Bank) with orders payable to EDWARD DARKE, Secretary.

CHEMISTS' PRICE LISTS.

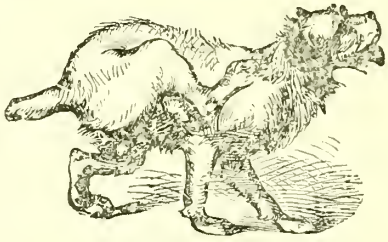
Apply to TIDMAN & SON, LT'D., for conditions for advertising in above for 1899—

TIDMAN'S SEA SALT,
TIDMAN'S CREAMOLINE SOAP,
TIDMAN'S SEA SOAP.

TIDMAN & SON, LTD., Bushell St., Great Hermitage St., & Wapping High St., LONDON, E.

NOTICE TO THE TRADE!

NALDIRE'S PRIZE MEDAL DOG SOAP.



REGISTERED TRADE MARK.

On and after April 4th we intend to advertise a 6d. Tablet of Naldire's Dog Soap, in addition to the 1s. Tablet now sold.

Offices: 3 SPUR STREET,
LEICESTER SQUARE,
LONDON, W.C.

WRIGHT & HOLDSWORTH,
Sole Manufacturers and Proprietors.

DAY, SON & HEWITT.

Largest Makers in the World of

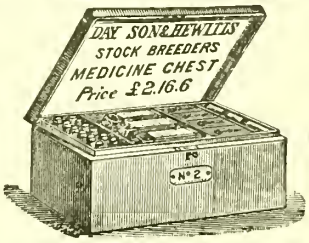
HORSE AND CATTLE MEDICINES.

For Kicks, Cuts, Bruises, Sore Withers, Swellings, Strains of Ligaments and Tendons, Saddle Galls, &c. It rapidly relieves Straining and Paining after Calving and Lambing, and is the remedy for Swollen Udders and Sore Teats.

Price 2/6, 3/6, and 7/- per Bottle.

For all Feverish Disorders among Cattle, Sheep, and Pigs, and for Colds, Indigestion, Costiveness, Yellows, Surfeits, Loss of Cud, Hide-bound, Red Water, &c. Admirably adapted for Cleansing and checking Feverish symptoms in Cows and Ewes after Parturition, rendering the milk copious, pure, and wholesome. It acts as a safe preventive of Milk Fever.

Price (Cows), 13/- per doz. Box; (Ewes), 3/6 per doz. 3-doz. Box, 10/-



Complete in 3 sizes. Sent Carriage Paid.
Prices—
£6 6s., £2 16s. 6d., and £1 8s. 9d.

Liberal Discounts to Agents and Foreign Buyers.

Trade Terms and full particulars on application.

Attractive Showcards and Handbills sent with each order.

A sure remedy for the Fret, Colic, or Gripes, Influenza, Loss of Appetite in Horses. For Debility Scour, or Diarrhœa in Horses, Cattle, and Sheep Hoven or Blown Cattle and Sheep instantaneously relieved.

Price 1/9 per Bottle. 20/- per doz.

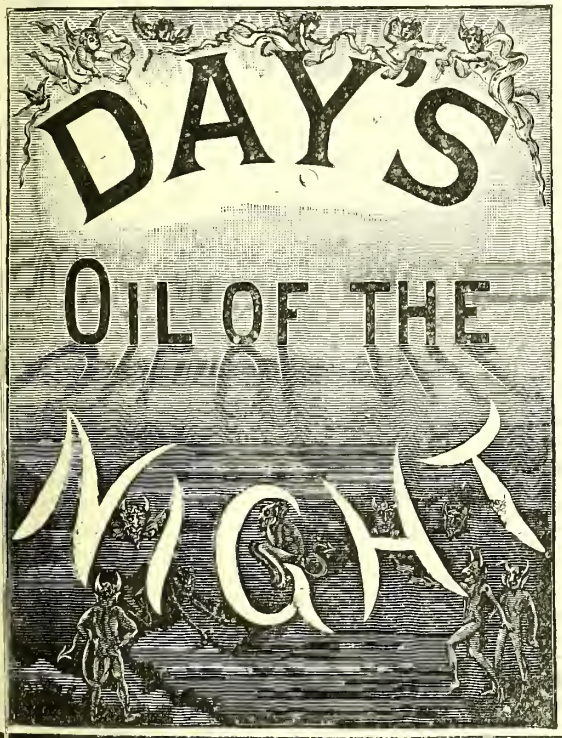
For Blood Disorders in Horses, Eczema, Surfeits, Nettle-rash, Ringworm, Itching, Ill-Condition, Of Appetite, Staring Coat, and Sluggishness. Invaluable for Sterility or Barrenness in Horses and Mares, by virtue of its Phosphoric and other stimulating ingredients. Contains no injurious drug, and can be given at all times to all breeds of horses without stopping their work.

Price 5/6 per doz. Packets. 3-doz. 15/-

Sold also at reduced rates in Tins 10/6 and £1 each

Royal Animal Medicine Manufactory, 22 DORSET STREET, LONDON, W. [Established 1833

DAYS' OIL OF THE NIGHT



THE

GREAT EMBROCATIVE BALM FOR THE PEOPLE.

For Rheumatism, Lumbago, Sciatica, Sprains, Cramp, Chest Colds, Gout Symptoms, Chilblains, Sore Throat, Faceache, Toothache, Leg-ache, Back-ache, Headache, or any other ache.

It is an embrocative balm, or, as Dr. Gordon Stables puts it, "*a positive pain-killer,*" unlike and much superior to any other preparation for similar uses.

1/1½, 2/9, *and* 6/6 *per Bottle, less discount.*

Put up also in Veterinary form—

For Sprains, Swellings, Capped Hocks, Rheumatism, Sore Throat, Sprung Sinews, Swollen Tendons, Swollen Udders, Sore Teats, &c., in Horses, Cattle, Sheep, and Dogs.

Price 2/6 *and* 6/- *per Bottle, less discount.*

From Wholesale Houses, or direct.

DAY & SONS, CREWE.

Only ONE Address.

Established 1840.

Day & Sons, Crewe.

HORSE, CATTLE, SHEEP & DOG MEDICINES.

Only ONE Address.

DAYS' BLACK DRINK (often called "The Magic Drink").

Cures like a Charm Colic or Gripes, and Sudden Chills in Horses and Cattle, Hoven or Blown Cattle and Sheep, Scour and Weakness in Calves and Lambs, &c.

Price 1/8 *per Bottle.*

DAYS' PURIFIED DRIFFIELD OILS (Days' Oils).

Heals Kicks, Cuts, Steak Wounds, Broken Knees, Sore Teats, Swollen Udders, and all Wounds in all Animals. A soothing and Antiseptic Oil for Lambing and Calving. *Price* 2/6 *and* 6/- *per Bottle.*

DAYS' RED DRINK, or Cow Drench.

For Costiveness, Loss of Cud, Caught, Colds, Fever, Hide-bound, &c. Prevents Milk Fever, and Cures Bad Cleansing.

Prices—1/- *per Packet; for Ewes,* 3/6 *per dozen.*

DAYS' HUSKOLEIN.

Almost infallible for Tapeworms in Lambs, and for Husk, Hoose, Hoast, or Worm in the Windpipe, and Lungworm in Calves, Lambs, Heifers, and Sheep. *In Large Bottles, price* 6/6

THE "ORIGINAL" UNIVERSAL MEDICINE CHEST.

For DISORDERS of HORSES, CATTLE, and SHEEP.

Price, with Guide, "*Everyday Farriery,*" £1 4s., £2 4s., and £5.

THE "ORIGINAL" HORSEKEEPERS' MEDICINE CHEST.

Arranged specially for DISORDERS in HORSES.

Price, with Guide, "*Everyday Farriery,*" £1 4s., £2 14s., *and* £5.

THE UNITED ALKALI CO., LD.

30 JAMES STREET, LIVERPOOL.

CHLORINE AS A DISINFECTANT.

"CHLOROS," Hypochlorite of Soda, containing 10 per cent. available Chlorine.

The presence of 1 part "Chloros" in 100 parts of Sewage will entirely destroy all germs of Cholera, Typhoid, Diphtheria, Swine Fever, Glanders, and of many other diseases.

The presence of 1 part "Chloros" in 10,000 parts of ordinary Sewage will completely remove all smell.

"CHLOROS" is a liquid; it yields no insoluble residue, and cannot stop up drains.

"CHLORIDE OF LIME," containing 35 per cent. available Chlorine.

The Cheapest of True Disinfectants.

"SANITARY CHLORIDE OF LIME," containing 15 per cent. available Chlorine.

"SANITARY CHLORIDE OF LIME" is especially prepared for Sanitary purposes.

"SANITARY CHLORIDE OF LIME" does not become wet or sloppy on exposure to the air, and can be handled with impunity.

Sole Agents for "Chloros" & "Sanitary Chloride of Lime" to Chemists & Druggists in the United Kingdom

Messrs. EVANS, SONS & CO., LIVERPOOL.

HEBDEN'S SILVER GLOSS

For LINEN.

A NOVELTY AND MARVEL!

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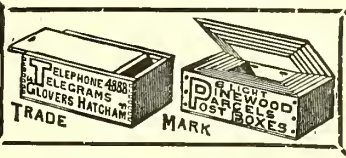

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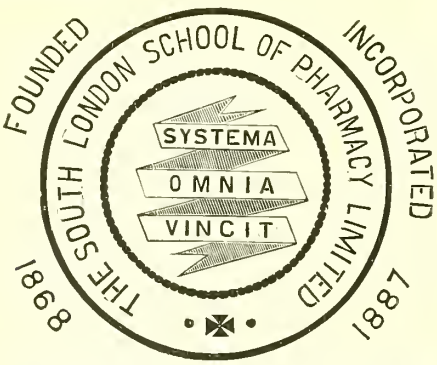

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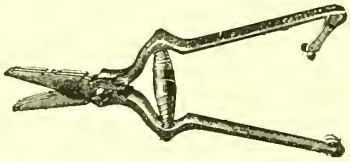

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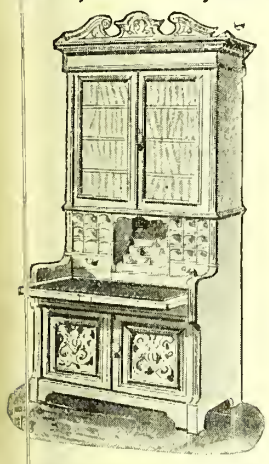

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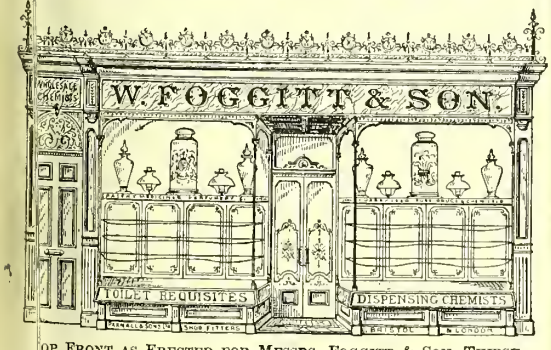

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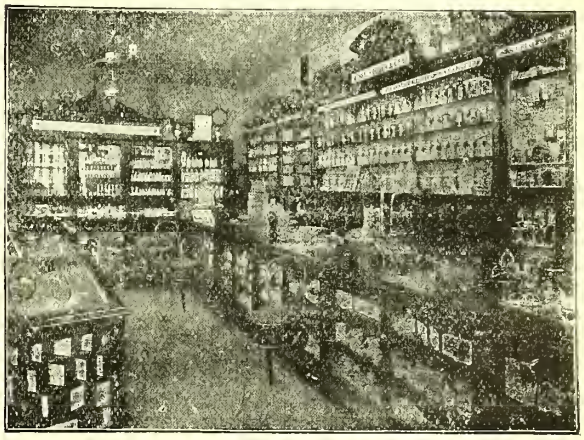

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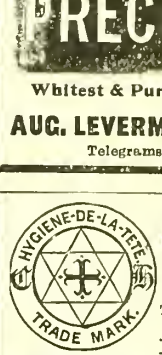

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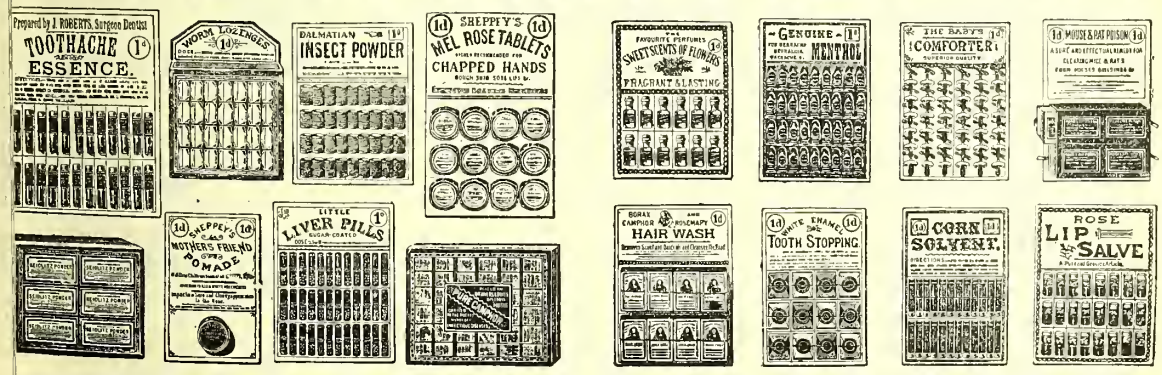

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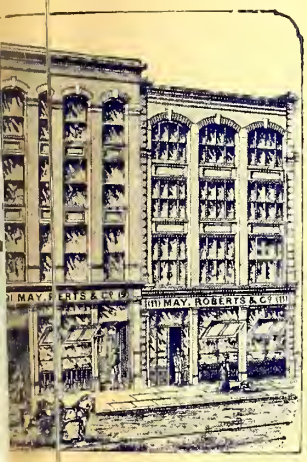

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